

April 19, 2018

Mr. Tanyi Tanyi On-Scene Coordinator U.S. Environmental Protection Agency, Region 7 11201 Renner Boulevard Lenexa, Kansas 66219

**Subject:** Preliminary Assessment Report

18th and State Avenue Site, Kansas City, Wyandotte County, Kansas

U.S. EPA Region 7, START 4, Contract No. EP-S7-13-06, Task Order No. 0107.004

Task Monitor: Tanyi Tanyi, EPA On-Scene Coordinator

Dear Mr. Tanyi:

Tetra Tech, Inc. is submitting the enclosed Preliminary Assessment report regarding the above-referenced site. If you have any questions or comments regarding this submittal, please contact the Project Manager at (816) 412-1772.

Sincerely,

John R. Simpson, CHMM START Project Manager

Ted Faile, PG, CHMM START Program Manager

**Enclosures** 

cc: Debra Dorsey, START Project Officer (cover letter only)

### PRELIMINARY ASSESSMENT AT THE 18<sup>th</sup> AND STATE AVENUE SITE KANSAS CITY, KANSAS

# Superfund Technical Assessment and Response Team (START) 4 Contract Contract No. EP-S7-13-06, Task Order 0107.004

### Prepared For:

U.S. Environmental Protection Agency Region 7 Superfund Division 11201 Renner Boulevard Lenexa, Kansas 66219

April 19, 2018

Prepared By:

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#### 1.0 INTRODUCTION

The U.S. Environmental Protection Agency (EPA), Region 7, under authority of the Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (CERCLA) and the Superfund Amendments and Reauthorization Act of 1986 (SARA), tasked Tetra Tech, Inc. (Tetra Tech) to conduct a preliminary assessment (PA) of the 18<sup>th</sup> and State Avenue site (the site) in Kansas City, Kansas, under Superfund Technical Assessment and Response Team (START) 4 Contract Number EP-S7-13-06, Task Order 0107.004.

Purposes of this PA were to (1) review existing information regarding the site and its environs to assess threat(s), if any, posed to public health, welfare, or the environment; and (2) identify data gaps and determine if further investigation under CERCLA is warranted. The scope of this PA includes review of available information, sampling of environmental media, and development of a report that summarizes findings.

By use of existing information and sampling data, the facility can be evaluated according to EPA Hazard Ranking System (HRS) criteria to assess the relative threat associated with actual or potential releases of hazardous substances at the site. The HRS has been adopted by EPA to help set priorities for further evaluation and eventual remedial action at hazardous waste sites. The HRS is the primary method of determining a site's eligibility for placement on the National Priorities List (NPL). The NPL identifies facilities at which the EPA may conduct remedial response actions. This report summarizes findings of these preliminary investigative activities.

#### **Apparent Problem**

During previous investigation and monitoring of groundwater contamination related to a retail petroleum station nearby, trichloroethene (TCE) and its degradation products were discovered in samples collected from several groundwater monitoring wells. The Kansas Department of Health and Environment (KDHE) concluded that the TCE was not likely related to a release of petroleum products, namely gasoline, from the nearby retail petroleum station. No documentation of a specific release or indication of a likely source of TCE contamination was identified. KDHE recommended further sampling and referred the site to EPA for evaluation.

This PA was conducted to assess potential for threat to human health and environment from soil and groundwater hosting the contaminants cited above.

#### 2.0 SITE INFORMATION

The site's location, description, and operational history are discussed below, as well as previous investigations of the site.

#### 2.1 SITE LOCATION/DESCRIPTION

The site is in the general vicinity of 18<sup>th</sup> and State Avenue in Kansas City, Wyandotte County, Kansas, 66103 (Figure 1, Appendix A). The legal description of the site is the northwest quarter of section 9, Township 11 south, Range 25 East (U.S. Geological Survey [USGS] 2015). Global Positioning system coordinates at the site are approximately -94.64782 decimal degrees longitude and 39.11613 decimal degrees latitude. The site is within an area of mixed commercial and residential development in Kansas City, Kansas. Properties surrounding this location are commercial; however residential areas are present within 0.25 mile. The site has hosted or currently hosts a commercial car wash, several former and current gas stations, convenience stores, and a geotechnical laboratory.

#### 2.2 GEOLOGY AND HYDROGEOLOGY

The site is within the glaciated physiographic area of Kansas. Soils at the site are composed of the Knox silt loam, which consists of silty loam to silty clay loam. The Knox silt loam is present along hill slopes with 7- to 12-percent slopes, and is typically formed in fine silty loess typical of glaciated areas near major river valleys (U.S. Department of Agriculture [USDA] 2017).

Bedrock in the area consists of limestone and shale beds of the Pennsylvanian Kansas City Group (McCauley 1999, Kansas Geological Survey [KGS] 2017). Depth to bedrock is highly variable due to local variations in thickness of loess and soil cover. Bedrock was encountered during previous investigations between 18 and 29 feet below ground surface (bgs) (KDHE 2014).

Groundwater availability is generally limited at the site in the loam, silty clay loam, and loess overlying the Kansas City Group. Groundwater flow appears to be northeast, trending with surface elevation. Static water levels in monitoring wells and direct-push temporary wells ranged from approximately 6.72 to 14.50 feet bgs during previous investigations (KDHE 2014).

#### 2.3 PREVIOUS INVESTIGATIONS

The Total Retail #2125 underground storage tank (UST) site has been undergoing groundwater monitoring since 2009. Several petroleum related contaminants (benzene and methyl tertiary butyl ether [MTBE]) have consistently been detected in several groundwater monitoring wells. According to a recent

groundwater monitoring report, the groundwater flow direction across the site is east/northeast (ATC Group Services LLC [ATC] 2017).

In June and July 2012, KDHE investigated releases from the nearby Savage Phillips 66 and Total Retail #2125 UST sites. In December 2012, results from sampling monitoring well MW-7 at the Total Retail #2125 (currently operated as a Valero station) site indicated TCE at 82 micrograms per liter (μg/L)—above its Maximum Contaminant Level (MCL) of 5 μg/L. Several TCE degradation products, including *cis*-1,2-dichloroethene (DCE) and *trans*-1,2-DCE, were also detected in monitoring wells MW-7, MW-BR, and MW-A at levels below MCLs (KDHE 2014).

In July and August 2013, KDHE collected samples from 11 existing monitoring wells. Additionally, KDHE collected groundwater samples at five locations using direct-push technology (DPT). At each location, a DPT boring was advanced to refusal (between 18 and 29 feet bgs). Groundwater samples collected from monitoring wells and at DPT sampling locations were analyzed for volatile organic compounds (VOC) via EPA Method 8260. Results of the 2013 investigation indicated detections of TCE, *cis*-1,2-DCE, and *trans*-1,2-DCE in samples from monitoring wells MW-7, MW-A, and MW-BR.

#### 2.4 WASTE CHARACTERISTICS

This section discusses waste characteristics of contaminants detected at the site. The contaminants discussed do not include contaminants that have been attributed to the nearby petroleum storage tank release at the Total Retail #2125 UST site. Contaminants attributed to the Total Retail #2125 UST site include benzene, toluene, ethylbenzene, xylene (BTEX) and MTBE. CERCLA excludes "petroleum, including crude oil or any fraction thereof (e.g., gasoline) from the definition of authorized Federal response to releases or threatened releases of 'hazardous substances' and 'pollutants and contaminants.'

#### 2.4.1 Cyclohexane

Cyclohexane is clear colorless liquid with a petroleum-like odor. It is primarily used in production of nylon, but also as a solvent for lacquers, resins, and synthetic rubber. Cyclohexane can be used as paint and varnish remover. It is present in all crude oils. It breaks down in air by reaction with other chemicals. Cyclohexane is expected to rapidly evaporate from soil and water surfaces. Cyclohexane that remains in soil or water may be slowly broken down by microorganisms (U.S. National Library of Medicine [USNLM] 2018).

#### 2.4.2 Methylcyclohexane

Methylcyclohexane is a colorless liquid with a faint benzene-like odor. It is used commercially as a solvent in industrial applications, and is a component of jet fuel. Methylcyclohexane occurs naturally in crude oil from some regions, and can be broken down biologically (USNLM 2018).

#### 2.4.3 1,2-Dichloroethene

1,2-Dichloroethene (DCE) (also called 1,2-dichloroethylene) is a highly flammable, colorless liquid with a sharp, harsh odor. It is used to produce solvents and is in some commercial chemical mixtures. Very small amounts of 1,2-DCE in air (about 17 parts of 1,2-DCE per million parts of air [17 ppm]) are detectable by odor. Two forms of 1,2-DCE are *cis*-1,2-DCE and *trans*-1,2-DCE. Sometimes both forms are present as a mixture (Agency for Toxic Substances and Disease Registry [ATSDR] 2018).

#### 2.4.4 Trichloroethene

TCE is a nonflammable, colorless liquid with a somewhat sweet odor and a sweet, burning taste. It is used mainly as a solvent to remove grease from metal parts, but it is also an ingredient in adhesives, paint removers, typewriter correction fluids, and spot removers. TCE is not thought to occur naturally in the environment. However, it has been found in underground water sources and many surface waters as a result of manufacture, use, and disposal of the chemical (ATSDR 2018).

#### 3.0 PRELIMINARY ASSESSMENT ACTIVITIES

This section discusses preliminary assessment activities at the site during January 29-30, 2018. Unless otherwise noted in this report, sampling and analytical procedures followed standard operating procedures (SOP) specified in the approved, site-specific Quality Assurance Project Plan (QAPP) (Tetra Tech 2017). Sample locations were selected based on site knowledge and previous investigation results. Field sheets were completed for each sample collected as part of the PA. Copies of all field sheets are in Appendix B. The field sheets include the following information: location description, depth, collection date and time, and analyses to be performed. After sample collection, each sample was labeled and packaged accordingly, and placed in a cooler maintained at or below a temperature of 4 degrees Celsius (°C) from time of collection until submittal for laboratory analysis.

#### 3.1 DIRECT-PUSH TECHNOLOGY SUB-SURFACE SOIL SAMPLING

To assess the soil exposure pathway and determine if a contaminated soil source exists, soil borings were advanced and sampled at 12 boring locations during January 29-30, 2018 (Appendix A, Figure 2). By use of a DPT boring machine, a soil sampler was advanced at each location. Soil cores were screened by use of a photoionization detector (PID) for presence of VOCs. No elevated PID reading or visual staining was evident in eight of the 10 soil cores; therefore, a sample from each of these soil cores was collected within the interval just above the water table, which ranged from 8 to 20 feet bgs. Some visual staining was noted in the soil cores from locations SB-5 (at 10 feet bgs) and SB-9 (at 11 feet bgs), and samples were collected from those soil cores at those depths showing evidence of contamination. Borings logs are in Appendix C.

Each soil sample collected for VOC analysis consisted of two 40-milliliter (mL) vials preserved with sodium bisulfate containing approximately 5 grams of soil, one 40-mL vial preserved with methanol containing approximately 5 grams of soil, and one unpreserved 40-mL vial packed with soil. Each soil sample was collected in accordance with EPA SW-846 Method 5035.

#### 3.2 DIRECT-PUSH TECHNOLOGY GROUNDWATER SAMPLING

To assess the groundwater migration pathway, groundwater samples were collected from temporary wells advanced by use of a DPT boring machine at 12 locations during January 29-30, 2018 (Appendix A, Figure 2). At each temporary well location, a Geoprobe® Screen Point 16 sampling apparatus containing a reusable stainless-steel screen was advanced to refusal (typically 15 to 25 feet bgs), where the screen was exposed to the aquifer. After the deployment of the screen at the bottom of the well and purge of about 1 gallon of water through the screen and tubing, a sample was collected through disposable

polyethylene tubing by use of a check valve placed at the bottom of the tubing. Groundwater samples were collected for VOCs analysis in three 40-mL vials preserved with hydrochloric acid (HCl). After completion of sampling activities, all temporary wells were plugged with bentonite from bottom of hole to ground surface. Any disturbance to surface materials was patched with appropriate material.

#### 3.3 GROUNDWATER MONITORING WELL SAMPLING

In addition to collection of groundwater samples from the previously discussed DPT borings, two groundwater samples were collected from two permanent groundwater monitoring wells associated with ongoing groundwater monitoring of contamination related to the nearby retail petroleum station (Total Retail #2125). Monitoring wells MW-7 and MW-A were sampled by use of disposable polyethylene bailers. Prior to sample collection, a minimum of three well casing volumes of water were purged from each well. Immediately following purging, three 40-mL vials preserved with HCl were collected for analysis for VOCs by the EPA Region 7 analytical laboratory.

#### 3.4 QUALITY CONTROL SAMPLING

Field quality control (QC) sampling for this PA included one laboratory-supplied aqueous trip blank sample, one field blank sample, and one equipment rinsate blank sample. Analytical data from the trip blank were referenced to determine whether contamination had been introduced during transportation of the containers and samples. The field blank sample was analyzed to determine if other environmental contamination had been present during sample collection. The equipment rinsate blank sample was collected through a Geoprobe groundwater sampler and analyzed to determine adequacy of decontamination procedures.

#### 3.5 DEVIATIONS FROM THE QAPP

The following deviations from the QAPP occurred during field sampling:

- No groundwater sample was collected from monitoring well MW-BR because it was dry at the time of sampling on January 30, 2018. That well also was dry during a follow-up sampling attempt on February 23.
- No groundwater sample was collected from two the DPT borings (SB-2 and SB-10) due to lack of available groundwater at the depth of boring refusal.

#### 4.0 ANALYTICAL DATA SUMMARY

This section discusses analytical results from environmental samples collected during the PA at the site.

#### 4.1 SUBSURFACE SOIL SAMPLES

During January 29-30, 2018, 12 subsurface soil samples were collected from 12 DPT borings at the site (Appendix A, Figure 2). Samples were submitted on January 31, 2018, to the EPA Region 7 laboratory for VOC analysis as part of Analytical Services Request (ASR) 7696.

Laboratory analytical results indicated detections of acetone, 2-butanone (methyl ethyl ketone [MEK]), cyclohexane, and methylcyclohexane in one or more samples. All reported detected concentrations were below (1) respective EPA Regional Screening Levels (RSL) for residential and industrial soils, and (2) EPA Superfund Chemical Data Matrix (SCDM) benchmarks for soil exposure. Analytical results are summarized in Appendix D Table 1, and analytical data are in Appendix E.

#### 4.2 GROUNDWATER SAMPLES

During January 29-30, 2018, 12 groundwater samples were collected from 10 DPT temporary wells and two permanent groundwater monitoring wells at the site. Samples were submitted on January 31, 2018, to the EPA Region 7 laboratory for VOC analysis as part of ASR 7696.

Laboratory analytical data indicated detections of one or more VOCs in nine of the 12 groundwater samples. VOCs detected included benzene, carbon disulfide, cyclohexane, *cis*-1,2-DCE, ethylbenzene, isopropylbenzene (cumene), MTBE, methylcyclohexane, toluene, TCE, and xylenes. TCE was detected in the samples collected from the temporary well at SB-11 and from permanent monitoring well MW-7 at concentrations of 0.94 and 4.2 μg/L, respectively. TCE concentration in the sample collected from MW-7 exceeded the EPA SCDM benchmark for the groundwater pathway cancer risk level of 1.1 μg/L, but was lower than the EPA MCL of 5 μg/L and the EPA SCDM benchmark for the groundwater pathway non-cancer risk level of 10 μg/L.

The majority of the VOC detections appear to be related to petroleum hydrocarbon contamination, and two detections exceeded regulatory benchmarks. Benzene was detected in the groundwater sample collected from boring SB-5 at 27  $\mu$ g/L, which exceeded the EPA MCL of 5  $\mu$ g/L and the EPA SCDM benchmark for the groundwater pathway cancer risk level of 1.4  $\mu$ g/L. MTBE was detected in the groundwater sample collected from boring SB-3 at 67  $\mu$ g/L, which exceeded the EPA SCDM benchmark for the groundwater pathway cancer risk level of 43  $\mu$ g/L. No MCL has been established for MTBE. Analytical results are summarized in Appendix D, Table 2, and analytical data are in Appendix E.

### 4.3 QUALITY CONTROL SAMPLES

One equipment rinsate blank, one field blank, and one trip blank were collected as a part of groundwater sampling quality assurance (QA)/QC sampling during PA environmental sampling at the site. Samples were submitted to EPA Region 7 laboratory for VOC analysis as part of ASR 7696. The complete laboratory data package is in Appendix E.

Analytical results from the blank samples indicated no detection of a VOC.

#### 5.0 HAZARD RANKING SYSTEM FACTORS

This section discusses sources of contamination and various contaminant migration pathways evaluated under the HRS.

#### 5.1 SOURCES OF CONTAMINATION

START collected soil and groundwater samples for VOC analysis in the area of the site. Several VOCs were detected in soil and groundwater samples. The most significant contaminants of concern detected during PA sampling were benzene, cyclohexane, MTBE, methylcyclohexane, and TCE.

Highest detected concentrations of VOCs (cyclohexane and methylcyclohexane) in soil occurred in samples collected at boring locations SB-4 and SB-5. Highest detected concentrations of VOCs in groundwater occurred in samples collected at boring locations SB-3 and SB-5, and at monitoring wells MW-A and MW-7.

While release of petroleum contaminants emanating from the nearby Total Retail #2125 site has been documented, no releases have been documented of the solvent-related contaminants (i.e., cyclohexane, methylcyclohexane, and TCE) to soil or groundwater in the area. The EPA Resource Conservation and Recovery Act Information (RCRAInfo) database lists several current and former hazardous waste generators in the vicinity of 18<sup>th</sup> and State Avenue, some of which have handled solvents (EPA 2018). The generators listed include: Alpha-Omega Geotech, 1701 State Avenue; Earl Scheib Inc, 1721 State Avenue; Prehop 1 Hour Cleaners, 1800 Minnesota; and Roberts Autobody, 1701 Minnesota Avenue.

While soil and groundwater analytical data indicate presence of contamination, no definitive source has been identified. However, the area of solvent-related contaminants in groundwater appears to closely mimic the footprint of the petroleum contamination plume.

#### 5.2 SOIL EXPOSURE AND SUBSURFACE INTRUSION PATHWAY

This section discusses soil exposure and subsurface intrusion targets and pathway conclusions drawn from analytical results from soil samples collected at the site. During this PA, subsurface soil samples were collected from 12 soil borings (see Appendix A, Figure 2). Evidence of impacts on soil appeared at depths of 8 feet or greater, primarily within the area of borings SB-4 and SB-5; non-petroleum related impact on groundwater was evident in the area of monitoring well MW-7. A substantial portion of the area of the 18<sup>th</sup> and State Avenue site is paved or covered by commercial and industrial buildings. Residential properties are immediately north of the site; however, the areas of soil and groundwater impact do not appear to extend to the residential area.

#### **5.2.1** Soil Exposure and Subsurface Intrusion Pathway Targets

The soil exposure pathway and subsurface intrusion would pose risk from contamination within areas where people live or work. The only documented soil contamination is present in subsurface soil, and the area of confirmed groundwater impact does not appear to extend beneath any structures. Therefore, the only potential targets appear to be construction workers.

#### 5.2.2 Soil Exposure and Subsurface Intrusion Pathway Conclusions

Twelve soil samples were collected at the site. None of the detected VOC concentrations exceeded an established EPA RSL or SCDM benchmark in any sample, and the area of groundwater impact exceeding EPA MCLs/SCDM benchmarks does not appear to extend to the residential area. Therefore, soil exposure and subsurface intrusion pathway does not appear to pose a threat to public health.

#### 5.3 GROUNDWATER PATHWAY

This section discusses groundwater targets and pathway conclusions drawn from analytical results from groundwater samples collected at the site. During this PA, groundwater samples were collected from 10 DPT temporary wells and two existing groundwater monitoring wells (see Appendix A, Figure 2).

#### **5.3.1** Groundwater Targets

The groundwater exposure pathway is evaluated by determining proximities of and likelihood of impact on domestic water wells in the area. According to KGS water well records, the domestic water well nearest to the site is approximately 0.70-mile northwest and presumed hydraulically crossgradient of the site (KGS 2017). According to KGS records, the nearest downgradient domestic well is farther than 3 miles northeast of the site.

#### **5.3.2** Groundwater Pathway Conclusions

Because the solvent-contaminated groundwater plume does not appear to extend north of State Avenue, the groundwater exposure pathway via domestic water wells does not appear to pose a threat to public health.

#### 5.4 OTHER MIGRATION PATHWAYS

Surface water and air migration pathways were not evaluated, and no samples of these media were collected because no indication of contamination along surface water or air pathways has been reported at the site.

#### 6.0 REMOVAL ACTION CONSIDERATIONS

The National Contingency Plan (40 *Code of Federal Regulations* [CFR] 300.415(b) (2)) authorizes EPA to consider removal actions at those facilities that pose an imminent threat to human health or the environment. Based on data obtained during this PA, a referral to EPA Region 7 for emergency response activities does not appear necessary.

#### 7.0 SUMMARY

The site is near the intersection of 18<sup>th</sup> and State Avenue in Kansas City, Kansas. The site is within an area of mixed commercial and residential development in Kansas City, Kansas. Properties immediately surrounding this location are commercial; however, residential areas are present within 0.25 mile. The immediate vicinity of the site has hosted or currently hosts a commercial car wash, several former and current gas stations, convenience stores, and a geotechnical laboratory.

During previous investigation and monitoring of groundwater contamination related to a retail petroleum station in the area, TCE and degradation products were discovered in samples collected from several monitoring wells. KDHE concluded that the TCE detected was not likely related to a release of petroleum products, namely gasoline, from the nearby retail petroleum station. No documentation of a release or indication of a likely source of TCE contamination was identified. KDHE recommended further sampling and referred the site to EPA for evaluation.

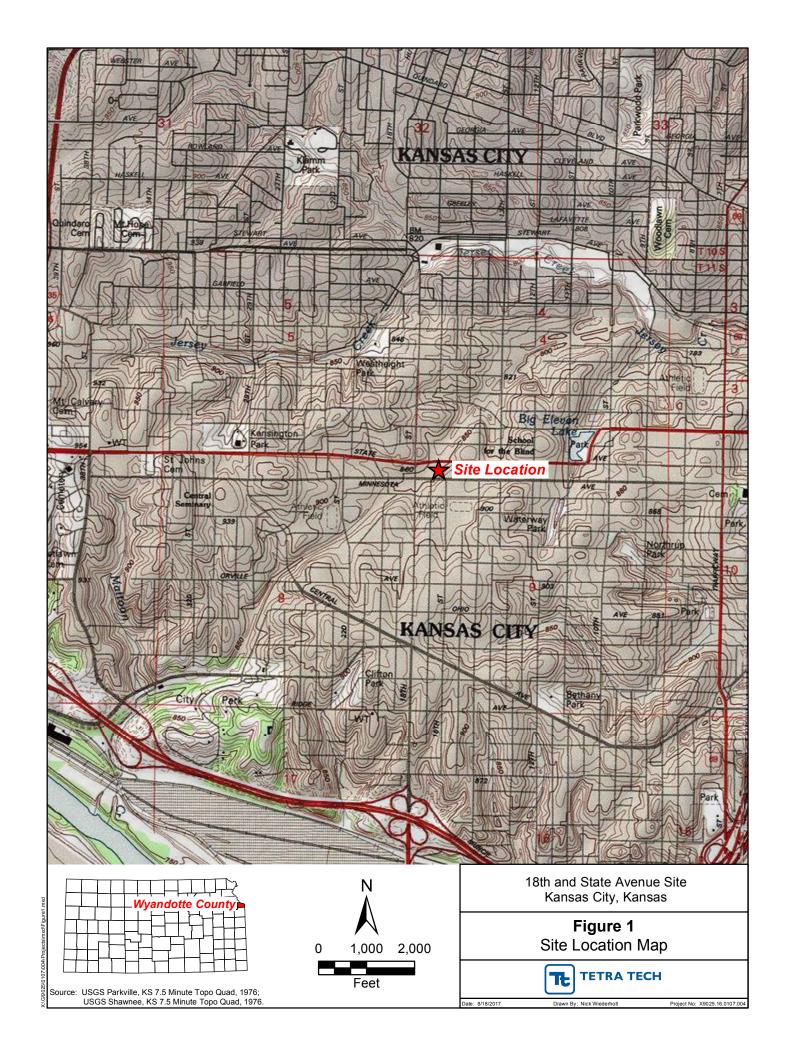
The general objective of the PA was to determine whether any threats to human health or the environment exist as a result of releases to soil and/or groundwater.

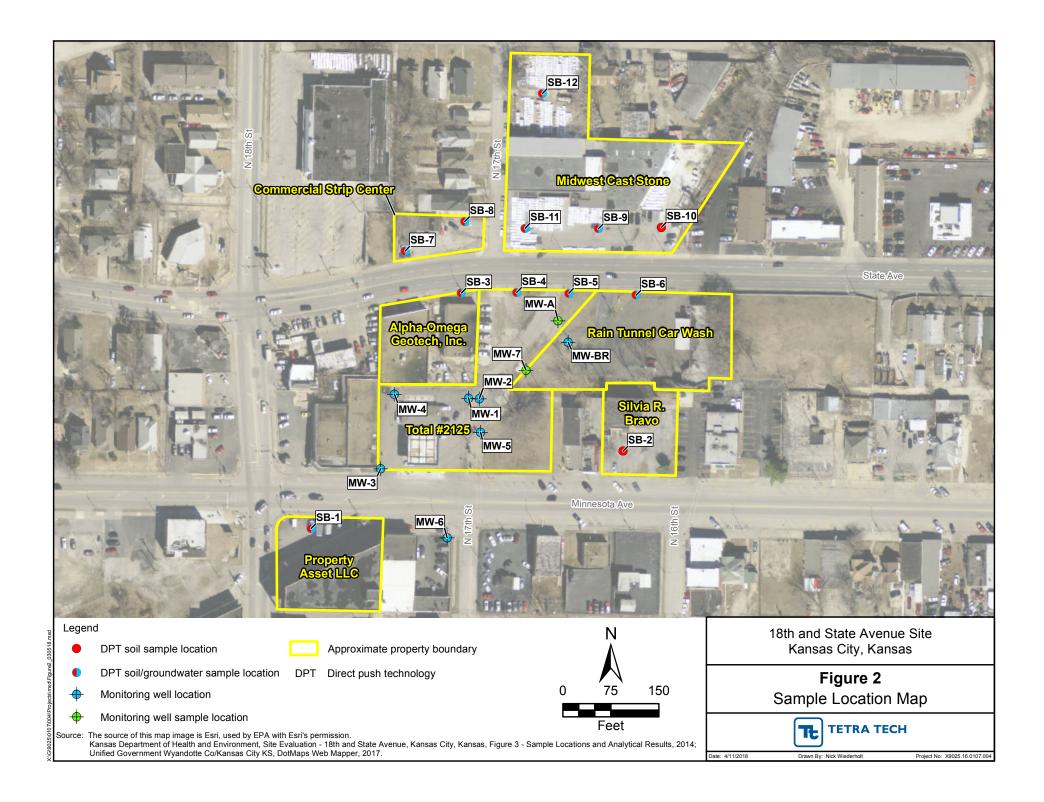
Soil and groundwater analytical data indicate presence of solvent-related contamination not likely related to the petroleum release from the nearby retail petroleum station. However, only one detection of TCE in groundwater exceeded an EPA SCDM benchmark for groundwater exposure—that TCE concentration exceeded the EPA SCDM benchmark for the groundwater pathway cancer risk level, but was lower than the EPA MCL and the EPA SCDM benchmark for the groundwater pathway non-cancer risk level. No definitive source of the solvent contamination has been identified, but EPA records indicate that several handlers of hazardous materials have operated in the area. The area of solvent-related contamination appears to be limited, and closely mimics the footprint of the petroleum contamination plume.

#### **8.0** REFERENCES

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# APPENDIX A FIGURES





# APPENDIX B FIELD SHEETS AND CHAIN OF CUSTODY

# CHAIN OF CUSTODY RECORD ENVIRONMENTAL PROTECTION AGENCY REGION VII

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SAMPLE NUMBER	CUBITAINER NUME	BOTTLE BERS OF CO	BOT1		BOTTLE LE NUMBE	VOA SET (ZVIALS EA)	water	SOIF	sediment	dust	other	REMARKS/OTHER INFORMATION (condition of samples upon receipt, other sample numbers, etc.)
7696-117-FB						1						EQUIPMENT BLANK
1 -118-53						1						FIELD BLANK
1 -118-FB - 119-FB						ł						FIELD BLANK TRIP BLANK
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								_	_	ļ <u>-</u>		
DESCRIPTION OF SI	HIPMENT	<u> </u>		<u></u>		MODE OF SHI	IPME	NT	<u> </u>	<u></u>	<u> </u>	
	ONSISTING O		R∩Y	(FS)		COMME	RCIA	AL C	CAR	RIEF	···	
	(S): OTHER _			(20)		COURIE	R					
		X_SAMPLI	ER C	0N/	/EY(	ΞD		(SHIPPING DOCUMENT NUMBER)				
PERSONNEL CUSTO			jτĒ,	TIME	REC	EIVED BY						REASON FOR CHANGE OF CUSTODY
	Ó	1.7	31/18									
SEALED	UNSEAL	ED X	1,0			EALED		ÙN	ISE/	<b>Q∟E</b>	:D	
RELINQUISHED BY		DA	TE	TIME	RECEIVED BY REASON FOR CHANGE OF CUSTOR						REASON FOR CHANGE OF COSTODY	
SEALED	UNSEAL	ED			SEALED UNSEALED							
RELINQUISHED BY		DA	TΕ	TIME	REC	CEIVED BY						REASON FOR CHANGE OF CUSTODY
D SEALED	UNSEAL	EO[			SEALED UNSEALED							

ASR Number:	7696	Sample Number:	1	QC Coc	le: Matr	ix: Solid	Tag I	<b>D:</b> 7696-1
Project ID:				Pro	ject Manager:	Tanyi Tar	nyi	
•		and State Avenue sit	e					
_	Kansa	•			State:	Kansas		
Program:	•							
Site Name:	Multi-	Site - General				Site ID:	07ZZ	Site OU: 00
Location Desc:		50-1						
		ı	Extern	al Samp	le Number: 🚊	5B-1(1	<u>)')</u>	PARTITION AND ADDRESS OF THE PARTITION ADDRESS OF THE PARTITION AND ADDRES
Expected Conc	:	(or Circle One:	-			Date		Time(24 hr)
Latitude:			Sam	ple Coll	ection: Start:	1/21/1	<u>S</u>	ो:50
Longitude:	-	<del></del>			End:	//	******	Andrewson's Andrewson's
Laboratory Ar	nalyses	5:						
Container	ı	Preservative	Holdin	g Time	Analysis			
4 - 40mL VOA vials VOA 5035)	` t	l Deg C, sodium pisulfate (2 vials), MeOH 1 vial)	14	Days	1 VOC's in Soil a Purge-and-Tra		by GC/M	IS Closed-System
Sample Comm	ents:							
(N/A)						***	į	
* MS	/ms	D						

Sample Collected By:  $\top\!\!\!\top$ 

ASR Number:	7696 Sample Number:	2 <b>QC Co</b>	de: Matr	ix: Solid	<b>Tag ID:</b> 7696-2							
Project ID: Project Desc:	TT18STATE 18th and State Avenue sit	<b>Project Manager:</b> Tanyi Tanyi ite										
-	Kansas City		State:	Kansas								
Program:	Superfund											
Site Name:	Multi-Site - General			Site ID:	07ZZ <b>Site OU:</b> 00							
Location Desc:	50-2											
	E	xternal Samp	ole Number: _	50-2(	<u>15')</u>							
Expected Conc	(or Circle One:	Low Medium	High)	Date	Time(24 hr)							
Latitude:		Sample Coll	ection: Start:	1 /29/19	8 10:a							
Longitude:			End:	//	:							
Laboratory Ar	nalyses:											
Container	Preservative	Holding Time	Analysis									
4 - 40mL VOA vials VOA 5035)	(soil 4 Deg C, sodium bisulfate (2 vials), MeOH (1 vial)	14 Days	1 VOC's in Soil a Purge-and-Tra		by GC/MS Closed-System							

**Sample Comments:** 

(N/A)

Sample Collected By:  $\top\!\!\!\top$ 

ASR Number: 76	596 <b>Sample Number:</b>	3	SC Co	de: Mat	rix: Solid	Tag II	<b>D:</b> 7696-3
Project ID: T			Pro	ject Managei	: Tanyi Tar	nyi	
City: K	8th and State Avenue si Cansas City	te		State	: Kansas		
Program: S Site Name: M	Julti-Site - General				Site ID:	07ZZ	Site OU: 00
Location Desc:	SB-3						
	I	External	Samı	ole Number:	<u>5B-3(</u>	<u> 117)</u>	
Expected Conc:	(or Circle One:	Low/M	edium	High)	Date		Time(24 hr)
Latitude:		Sampl	e Coll	ection: Start:	1 /Z = y 1	1\$	( <u>2:0</u> 0
Longitude:	<del></del>			End	_/_/_		_:_
Laboratory Ana	lyses:						
Container	Preservative	Holding '	Time	Analysis			
4 - 40mL VOA vials (so VOA 5035)	oil 4 Deg C, sodium bisulfate (2 vials), MeOH (1 vial)		Days	1 VOC's in Soil Purge-and-Tr		by GC/M	5 Closed-System
Sample Commen	its:				***************************************		

(N/A)

ASR Number:	7696	Sample Number	<b>:</b> 4	QC Co	de:	Matri	i <b>x:</b> Solid	Tag I	( <b>D:</b> 7696-4
Project ID:		ATE ad State Avenue s	ite	Pro	ject Man	ager:	Tanyi Tan	yi	
	Kansas	City			S	State:	Kansas		
Site Name:	•						Site ID:	07ZZ	Site OU: 00
Location Desc:		<\$B-	4						<u> </u>
			Externa	al Samı	ole Numb	er: _	SB-41	10'	<u>)                                    </u>
Expected Conc	::	(or Circle One	: Low	Medium	(High)		Date		Time(24 hr)
Latitude:			Samı	ole Coll	ection: S	tart:	12919	ļ	13.20
Longitude:		Marien engineering of the second of the seco				End:	/	···	***************************************
Laboratory Ar	nalyses:					···			
Container	Pr	eservative	Holding	g Time	Analysi	S			
4 - 40mL VOA vials ( VOA 5035)	bis	Deg C, sodium sulfate (2 vials), MeOH vial)		Days	1 VOC's i Purge-a			by GC/M	1S Closed-System
Sample Comm	ents:								

\* STRONG PETROLEUM ODOR

Sample Collected By: TT

(N/A)

ASR Number: 76	596 <b>Sample Number:</b>	5,	QC Co	de: Ma	itrix: Solid	<b>Tag ID:</b> 7696-5
Project ID: T	T18STATE 8th and State Avenue si	te	Pro	ject Manage	er: Tanyi Tan	yi
-	ansas City			Stat	e: Kansas	
Program: S	•					
Site Name: N	Iulti-Site - General				Site ID:	07ZZ <b>Site OU:</b> 00
Location Desc:	5B-K	and text				
		Externa	l Samı	ole Number:	SB-5	(101)
Expected Conc:	(or Circle One:	Low M	1edium	(High)	Date	Time(24 hr)
Latitude:	Acceptability Management Acceptability (Acceptability)	Samp	le Coll	ection: Star	t: <u>1/29/1</u>	14:20
Longitude:				End	i://_	_:
Laboratory Ana	lyses:					
Container	Preservative	Holding	Time	Analysis		
4 - 40mL VOA vials (so VOA 5035)	oil 4 Deg C, sodium bisulfate (2 vials), MeOH (1 vial)	14	Days	1 VOC's in So Purge-and-		by GC/MS Closed-System
Sample Commen	its:					

\* STRONG PERSCEUM ODOR

(N/A)

Sample Collected By:  $\sqcap$ 

ASR Number: 76	96 Sample Number:	6 <b>QC</b>	Code: Mati	rix: Solid	<b>Tag ID:</b> 7696-6
Project ID:	T18STATE Bth and State Avenue sit		Project Manager	: Tanyi Tar	nyi
<b>City:</b> Ka <b>Program:</b> St	ansas City uperfund	. <del>C</del>	State	: Kansas	
Site Name: M	ulti-Site - General			Site ID:	07ZZ <b>Site OU:</b> 00
Location Desc: _	5B-6				
	E	External Sa	ample Number:	5B-6	,(20')
Expected Conc:	(or Circle One	Low Med	ium High)	Date	Time(24 hr)
Latitude: _		Sample (	Collection: Start:	1291	8 14:45
Longitude: _			End:	_/_/_	
Laboratory Analy	yses:				
Container	Preservative	Holding Tim	ne Analysis		
4 - 40mL VOA vials (soi VOA 5035)	l 4 Deg C, sodium bisulfate (2 vials), MeOH (1 vial)	14 Da	ys 1 VOC's in Soil a Purge-and-Tra		by GC/MS Closed-System
Sample Comment	S:				

(N/A)

Sample Collected By:  $\top\!\!\top$ 

ASR Number: 769	6 Sample Number:	7	QC Co	de: Mat	rix: Solid	<b>Tag ID:</b> 7696-7
Project ID: TT			Pro	ject Manager	: Tanyi Tar	nyi
City: Ka	th and State Avenue sit nsas City	ce		State	: Kansas	
Program: Su Site Name: Mu	perfund Ilti-Site - General				Site ID:	07ZZ <b>Site OU:</b> 00
Location Desc:	567					
	1	Externa	l Samp	ole Number:	50-7	(81)
Expected Conc:	(or Circle One:	Low	1edium	High)	Date	Time(24 hr)
Latitude: _		Samp	le Coll	ection: Start:	129/1	<u>8 16:00</u>
Longitude: _	<u> </u>			End:	/_	_:
Laboratory Analy	ses:					
Container	Preservative	Holding	Time	Analysis		
4 - 40mL VOA vials (soil VOA 5035)	4 Deg C, sodium bisulfate (2 vials), MeOH (1 vial)	14	Days	1 VOC's in Soil Purge-and-Tr		by GC/MS Closed-System
Sample Comment	<b>5</b> :					

(N/A)

ASR Number:	7696	Sample Number:	8	QC Co	de: M	atrix: Solid	Tag :	<b>ID:</b> 7696-8
-	TT1857		_	Pro	oject Manag	er: Tanyi Ta	nyi	
City:	Kansas	•	te		Sta	i <b>te:</b> Kansas		
Program: Site Name:	•					Site ID:	: 07ZZ	Site OU: 00
Location Desc:		·B-8		***************************************				
		i	≣xterna	l Sam <sub>l</sub>	ple Number	: <u>SB</u> -	80	
<b>Expected Conc</b>	:	(or Circle One:	Low) N	1edium	High)	Date		Time(24 hr)
` Latitude:			Samp	le Coll	lection: Sta	rt: <u>[129/</u>	<u>18</u>	16:30
Longitude:					En	nd://_	_	_:_
Laboratory An	alyses:							
Container	Pr	eservative	Holding	Time	Analysis			
4 - 40mL VOA vials ( VOA 5035)	bi	Deg C, sodium sulfate (2 vials), MeOH vial)	14	Days	1 VOC's in S Purge-and		s by GC/I	MS Closed-System
Sample Commo	ents:		G.					
(N/A)								

Sample Collected By: TT

ASR Number: 7	696 Sample Number	: 9 <b>QC C</b> d	ode: Matr	ix: Solid T	ag ID: 7696-9
Project ID:			oject Manager:	: Tanyi Tanyi	
City:	18th and State Avenue si Kansas City	te	State:	: Kansas	
Program: Site Name:	Superfund Multi-Site - General			Site ID: 0	7ZZ <b>Site OU:</b> 00
Location Desc:	SB-9				- managarah dan garang sa dahilinan
	·	External Sam	ple Number:	513-90	(11')
Expected Conc:	(or Circle One:	Low Mediun	n) High)	Date	Time(24 hr)
Latitude:		Sample Col	llection: Start:	LBU18	09.20
Longitude:	· · ·		End:		:
Laboratory Ana	alyses:				
Container	Preservative	Holding Time	Analysis		
4 - 40mL VOA vials (s VOA 5035)	soil 4 Deg C, sodium bisulfate (2 vials), MeOH (1 vial)	14 Days	1 VOC's in Soil a Purge-and-Tra		GC/MS Closed-System
Sample Comme	nts:				

(N/A)

\* MUDERATE PETROLEUM SOOR

ASR Number: 7	7696 Sample Number:	10 <b>Q</b>	C Code:	Matri	x: Solid	<b>Tag ID:</b> 7696-10	
Project ID:	TT18STATE 18th and State Avenue si						
City:	Kansas City	State:					
Program: Site Name:	Multi-Site - General				Site ID:	07ZZ <b>Site OU:</b> 00	
Location Desc:	SB-10(9')						
	1	External	Sample Nur	nber: _	SB-10	(9')	
<b>Expected Conc:</b> (or Circle One:		(Low)Me	ow Medium High)			Time(24 hr	
Latitude:	MANAGORAN TOTAL TO	Sample	e Collection:	Start:	13018	10.00	
Longitude:	MINISTRACTOR			End:	_/_/_	_ :	
Laboratory An	alyses:						
Container	Preservative	Holding T	ime Anal	ysis			
4 - 40mL VOA vials ( VOA 5035)	soil 4 Deg C, sodium bisulfate (2 vials), MeOH (1 vial)			's in Soil at je-and-Trap		by GC/MS Closed-System	
Sample Comme	ents:						

(N/A)

Sample Collected By:  $\ensuremath{\mathsf{TT}}$ 

ASR Number: 769	Sample Number:	11	QC Cod	e: Matı	ix: Solid	<b>Tag ID:</b> 7696-11	
•	18STATE th and State Avenue sit						
•	nsas City	. <del>C</del>	State: Kansas				
•	ulti-Site - General				Site ID:	07ZZ <b>Site OU:</b> 00	
Location Desc: _	53-11						
	E	Externa	l Sampl	e Number:	SB-1	1 (11)	
Expected Conc:	(or Circle One?	Low	ledium	High)	Date	Time(24 hr)	
Latitude: _		Samp	le Colle	ction: Start:	1 730/1	6 10:50	
Longitude: _				End:	//_		
Laboratory Analy	/ses:						
Container	Preservative	Holding	Time	Analysis			
4 - 40mL VOA vials (soil VOA 5035)	4 Deg C, sodium bisulfate (2 vials), MeOH (1 vial)	14	Days '	1 VOC's in Soil Purge-and-Tra		by GC/MS Closed-System	
Sample Comment	s:						

(N/A)

Sample Collected By:  $\Pi$ 

ASR Number: 769	6 Sample Number:	12	QC Co	de: Matı	ix: Solid	Tag 1	<b>ID:</b> 7696-12	
Project ID: TT	18STATE th and State Avenue sit		Project Manager: Tanyi Tanyi					
City: Ka	nsas City	.6	State: Kansas					
_	perfund ulti-Site - General				Site ID:	07ZZ	Site OU: 00	
Location Desc: _	53-12	·····	***************************************				, , , ,	
	E	externa	l Samp	ole Number:	50-13	2(12	2)	
Expected Conc:	(or Circle One:	Low	1edium	High)	Date		Time(24 hr)	
Latitude: _		Samp	le Coll	ection: Start:	1/30/1	<u> </u>	11:45	
Longitude: _	<del></del>			End:	_/_/_	_	•	
Laboratory Analy	/ses:							
Container	Preservative	Holding	Time	Analysis				
4 - 40mL VOA vials (soil VOA 5035)	4 Deg C, sodium bisulfate (2 vials), MeOH (1 vial)	14	Days	1 VOC's in Soil a Purge-and-Tra		by GC/N	MS Closed-System	
Sample Comment	s:							

(N/A)

Sample Collected By:  $\Pi$ 

ASR Number:	7696 <b>Sample N</b>	lumber: 101	QC Cod	de: Matr	ix: Water	<b>Tag ID:</b> 7696-101		
Project ID:		******	Pro	Project Manager: Tanyi Tanyi				
City:	18th and State A	venue site		State:	Kansas			
Program: Site Name:	Superfund Multi-Site - Gene	ral			Site ID:	07ZZ <b>Site OU:</b> 00		
Location Desc:	50	3-1						
		Exter	nal Samp	ole Number: _	SB-1			
Expected Conc	: (or Cir	cle One: Low	Medium	High)	Date	Time(24 hr)		
Latitude:		Sar	nple Coll	ection: Start:	LRGIIX	10:10		
Longitude:				End:	_/_/_	Company Company		
Laboratory An	•							
Container 3 - 40mL VOA vial	<b>Preservative</b> 4 Deg C, HCL t		i <b>ng Time</b> 4 Days	Analysis 1 VOCs in Water	by GC/MS for	Low Detection Limits		
Sample Commo	ents:			**************************************				
(N/A)								

\* MS/MSD

Sample Collected By:  $\top\!\!\!\top$ 

# **Sample Collection Field Sheet** US EPA Region 7

Kansas City, KS

ASR Number:	7696	Sample Number:	: 102	QC Cod	le: Matı	ix: Water	Tag I	( <b>D:</b> 7696-102
Project ID:				Pro	ject Manager	: Tanyi Tar	ıyi	
City:	Kansas	•	te		State	: Kansas		
Program: Site Name:	-					Site ID:	07ZZ	Site OU: 00
Location Desc:		5B-4			8			***************************************
,		·	Exteri	nal Samp	ole Number:	5B-4		
<b>Expected Conc</b>	:	(or Circle One:	Low	Medium	High	Date		Time(24 hr)
Latitude:			San	nple Coll	ection: Start:	129/1	8	13:40
Longitude:					End:	//_		_:_
Laboratory An	-		11-1-1:	<b>-</b> :	8 malusia			
Container 3 - 40mL VOA vial		reservative Deg C, HCL to pH<2		<b>ng Time</b> ‡ Days	Analysis 1 VOCs in Wate	r by GC/MS fo	or Low D	etection Limits
Sample Commo	ents:		,		***************************************			
(N/A)							N.	
		_						
*M	10E	eath Petro	ŒVI	- 000	a ·			2

Sample Collected By:  $\top\!\!\!\top$ 

ASR Number: 7	696 Sample Number	: 103 <b>QC Co</b>	de: Matrix	c: Water Tag	<b>g ID:</b> 7696-103			
Project ID:	TT18STATE	Pro	ject Manager:	Tanyi Tanyi				
<b>Project Desc:</b>	18th and State Avenue s	ite						
City:	Kansas City		State:	Kansas				
Program:	Superfund							
	Multi-Site - General			<b>Site ID:</b> 07Z	ZZ <b>Site OU:</b> 00			
Location Desc:	53456	3-3	w ,					
r	73		<i>*</i>	500	507			
A CONTRACTOR OF THE PARTY OF TH		External Sample Number:						
Expected Const	(or Circle One	: Low Medium	High)	Date	Time(24 hr)			
<b>Expected Conc:</b>	(or Circle Offe	. Low Medium	riigii)	Date	111116(24111)			
Latitude:		Sample Coll	ection: Start:	1 129/18	13:50			
Longitude:			End:	_/_/_				
Laboratory Ana	alyses:		0					
Container	Preservative	<b>Holding Time</b>	Analysis 🐃					
3 - 40mL VOA vial	4 Deg C, HCL to pH<2	14 Days	1 VOCs in Water b	by GC/MS for Lov	w Detection Limits			
Sample Comme	nts:	<u></u>	2	2 3	1000			
(N/A)				A A				

Sample Collected By:  $\top \top$ 

ASR Number:	7696 Sample Number:	104 <b>QC</b>	Code: Matr	ix: Water Tag I	<b>(D:</b> 7696-104		
Project ID:	TT18STATE 18th and State Avenue si		Project Manager: Tanyi Tanyi				
-	Kansas City		State:	Kansas			
Program:	•	erfund					
Site Name:	Multi-Site - General			Site ID: 07ZZ	Site OU: 00		
Location Desc:	56-5				***************************************		
		External Sample Number: 53-3					
Expected Conc		(Low Medi	um High)	Date	Time(24 hr)		
Latitude:	emonotrus	Sample (	Collection: Start:	1/27/18	14:50		
Longitude:			End:	//	:		
Laboratory An	ialyses:		William 1970		•		
Container	Preservative	Holding Tim	e Analysis				
3 - 40mL VOA vial	4 Deg C, HCL to pH<2	14 Day	/s 1 VOCs in Water	r by GC/MS for Low D	etection Limits		
Sample Commo	ents:						
(N/A)							

Sample Collected By:  $\top\!\!\top$ 

ASR Number:	7696	Sample Number	: 105	QC Cod	de: Ma	<b>trix:</b> Water	Tag :	ID: 7696-105	
Project ID:	TT18S	TATE		Project Manager: Tanyi Tanyi					
City:	Kansa	•	ite	State: Kansas					
Program: Site Name:	-	fund Site - General				Site ID:	07ZZ	Site OU: 00	
Location Desc:		SB-60							
		,	Extern	al Samp	le Number:	56-1	0_		
Expected Conc	:	(or Circle One	: (Low)	Medium	High)	Date		Time(24 hr)	
Latitude:			Sam	ple Coll	ection: Start	: 1291	7	1 <u>5:0</u> )	
Longitude:					End	://_	_	_:_	
Laboratory Ar	-		tiald:-	a Tima	Anningia				
Container 3 - 40mL VOA vial		Preservative Deg C, HCL to pH<2		<b>g Time</b> Days	Analysis 1 VOCs in Wat	er by GC/MS f	or Low D	etection Limits	
Sample Comm	ents:						-,		
(N/A)									

Sample Collected By:  $\ensuremath{\sqcap}$ 

ASR Number:	7696 <b>Sample Number:</b>	106 <b>QC</b>	Code: Mat	rix: Water Tag	<b>ID:</b> 7696-106		
•	TT18STATE  18th and State Avenue site	Project Manager: Tanyi Tanyi					
City:	Kansas City	C	State	: Kansas			
Program: Site Name:	Multi-Site - General			<b>Site ID:</b> 07ZZ	Site OU: 00		
Location Desc:	56-7						
External Sample Number: 53-7							
<b>Expected Conc</b>	: (or Circle One	Low Medi	um High)	Date	Time(24 hr)		
Latitude:	,	Sample (	Collection: Start:	1 1264 19	16:15		
Longitude:			End:		_:_		
Laboratory Ar	<del>-</del>						
Container 3 - 40mL VOA vial	<b>Preservative</b> 4 Deg C, HCL to pH<2	Holding Tim 14 Day	-	er by GC/MS for Low [	Detection Limits		
Sample Commo	ents:						
(N/A)							

Sample Collected By:  $\top\!\!\!\top$ 

ASR Number:	7696	Sample Number	: 107	QC Co	de: Ma	trix: Water Tag	I <b>ID:</b> 7696-107	
_	TT18S			Project Manager: Tanyi Tanyi				
City:	Kansa	•	ite		Stat	e: Kansas		
Program: Site Name:	•	fund Site - General				<b>Site ID:</b> 07ZZ	Z <b>Site OU:</b> 00	
Location Desc:		5B-X						
			Externa	al Samp	ole Number:	<u>50-8</u>		
Expected Conc	:	(or Circle One	: (Low)	Medium	High)	Date	Time(24 hr)	
Latitude:			Samı	ole Coll	ection: Star	t: 1_29/18	16:40	
Longitude:					End	i://_	:	
Laboratory Ar	-							
Container 3 - 40mL VOA vial	_	reservative Deg C, HCL to pH<2	Holding 14	Days	<b>Analysis</b> 1 VOCs in Wa	ter by GC/MS for Low	Detection Limits	
Sample Comm	ents:							
(N/A)								

Sample Collected By:  $\top\!\!\!\top$ 

ASR Number:	7696 Sample Numb	er: 108 QC C	ode: Matr	ix: Water Tag 1	<b>(D:</b> 7696-108
City: Program:	TT18STATE 18th and State Avenue Kansas City Superfund Multi-Site - General		oject Manager: State:	Tanyi Tanyi Kansas <b>Site ID:</b> 07ZZ	Site OU: 00
Location Desc:	SB-9	External San	nple Number:	58-9	
<b>Expected Conc</b>	(or Circle O	ne: Low Mediui	m High)	Date	Time(24 hr)
Latitude:		Sample Co	llection: Start:	130118	09:40
Longitude:			End:	_/_/_	_:_
Laboratory Ar Container 3 - 40mL VOA vial	Preservative 4 Deg C, HCL to pH<	Holding Time 2 14 Days	Analysis 1 VOCs in Water	by GC/MS for Low D	etection Limits
Sample Commo	ents:			3'	

Sample Collected By:  $\top \top$ 

ASR Number:	7696 <b>Sample Number</b>	: 109 <b>QC C</b>	ode: Matr	ix: Water Tag	ID: 7696-109		
Project ID:			Project Manager: Tanyi Tanyi				
	18th and State Avenue s	ite	<b>.</b>				
-	Kansas City		State:	: Kansas			
Program:	•			C1. TD. 0777	Cit - OII - 00		
Site Name:	Multi-Site - General			Site ID: 07ZZ	Site OU: 00		
Location Desc:	SB-11						
		External Sar	mple Number:	50-11			
<b>Expected Conc</b>	(or Circle One	: (Low) Mediu	m High)	Date	Time(24 hr)		
Latitude:		Sample Co	ollection: Start:	1.3018	11.05		
Longitude:	<del></del>		End:		·		
Laboratory An	alyses:						
Container	Preservative	Holding Time	•				
3 - 40mL VOA vial	4 Deg C, HCL to pH<2	14 Days	1 VOCs in Water	r by GC/MS for Low D	etection Limits		
Sample Commo	ents:						
(N/A)							

Sample Collected By: TT

ASR Number:	7696	Sample Number	: 110	QC Co	de: Mat	rix: Water Tag	<b>ID:</b> 7696-110	
-	TT18S7		* 4	Project Manager: Tanyi Tanyi				
City:	Kansas	•				e: Kansas		
Program: Site Name:	•					Site ID: 07ZZ	Site OU: 00	
Location Desc:	***************************************	56-12						
Ext			Extern	al Samı	ole Number:	<u> 5B12</u>		
Expected Conc	<b>::</b>	(or Circle One	: JEOW	) Medium	High)	Date	Time(24 hr)	
Latitude:			Sam	ple Coll	ection: Start	: 1301b	12:20	
Longitude:					End	: _/_/_	**************************************	
Laboratory Ar	-							
Container 3 - 40mL VOA vial		reservative Deg C, HCL to pH<2	Holdin 14	<b>g Time</b> Days	Analysis 1 VOCs in Wate	er by GC/MS for Low (	Detection Limits	
Sample Commo	ents:	***************************************						
(N/A)								

Sample Collected By:  $\ensuremath{\mathsf{TT}}$ 

ASR Number:	7696	Sample Number	: 111	QC Co	de: Mat	rix: Water	<b>Tag ID:</b> 769	)6-111
Project Desc:		TATE nd State Avenue si	ite	Project Manager: Tanyi Tanyi				
-	Kansas				State	: Kansas		
Program:		•						
Site Name:	Multi-S	Site - General		•		Site ID:	07ZZ <b>Site C</b>	<b>)U:</b> 00
Location Desc:	. <i>N</i>	1U-A					•	
			Extern	al Samp	ole Number:	MW-A		
Expected Conc	<b>:</b> :	(or Circle One:	: Low	Medium	High	Date	Time	e(24 hr)
Latitude:	·		Sam	ple Coll	ection: Start:	1 RUB	13:4	5
Longitude:	;				End:	_/_/_	_:_	_
Laboratory Ar	nalyses	:						
Container		reservative	Holdin		Analysis			
3 - 40mL VOA vial	4	Deg C, HCL to pH<2	14	Days	1 VOCs in Wate	er by GC/MS for	r Low Detection I	Limits
Sample Comm	ents:							
(N/A)								

\* STRONG PETROLEUM ODOR

ASR Number:	7696 Sample Number	: 112 <b>QC C</b> c	ode: Matr	ix: Water Tag	j <b>ID:</b> 7696-112			
Project ID:	TT18STATE	Pr	Project Manager: Tanyi Tanyi					
Project Desc:	18th and State Avenue s	ite						
•	Kansas City		States	Kansas				
Program:	•							
Site Name:	Multi-Site - General			<b>Site ID:</b> 07Z	Z <b>Site OU:</b> 00			
Location Desc:	Mu-7							
		External Sample Number: MW-7						
Expected Conc		: Low Mediur		Date	Time(24 hr)			
Latitude:	Special desired by the second	Sample Co	llection: Start:	13418	13:50			
Longitude:	<del></del>		End:	//	***************************************			
Laboratory An	alyses:							
Container	Preservative	Holding Time	Analysis					
3 - 40mL VOA vial	4 Deg C, HCL to pH<2	14 Days	1 VOCs in Water	by GC/MS for Low	Detection Limits			
Sample Commo	ents:							
(N/A)								

Sample Collected By:  $\ensuremath{\mathsf{TT}}$ 

ASR Number:	7696 <b>Sample Number:</b>	117 <b>QC</b> 0	Code: 🖺 Ma	atrix: Water	<b>Tag ID:</b> 7696-117-			
Project ID:	TT18STATE 18th and State Avenue site		Project Manager: Tanyi Tanyi					
City:	Kansas City		State: Kansas					
_	Superfund Multi-Site - General			Site ID:	07ZZ <b>Site OU:</b> 00			
Location Desc:				MINIMANA	_			
	E	xternal Sa	mple Number:	Eauiphi	ENT BLANK			
Expected Cond	(or Circle One:	Low Mediu	m High)	Date	Time(24 hr)			
Latitude:		Sample Co	ollection: Star	t: 130/18	12:38			
Longitude:	LIA VALLENDON VARIATION		En	d://_	_;_			
Laboratory Ar	<del>-</del>							
Container 3 - 40mL VOA vial	<b>Preservative</b> 4 Deg C, HCL to pH<2	Holding Time 14 Days		ater by GC/MS for	r Low Detection Limits			
Sample Comm	ents:							
(N/A)								

**Sample Collected By: □** 

ASR Number:	7696 Sample Number	: 118 <b>QC C</b> o	ode: 💯 Ma	ıtrix: Water	<b>Tag ID:</b> 7696-118- <b>≱</b> (		
Project ID:			Project Manager: Tanyi Tanyi				
City:	18th and State Avenue s Kansas City	ite	<b>State:</b> Kansas				
Program: Site Name:	Superfund Multi-Site - General			Site ID:	07ZZ <b>Site OU:</b> 00		
Location Desc:							
		External Sam	ple Number:	FIELD	BLONK		
Expected Conc	(or Circle One	: Low Medium	n High)	Date	Time(24 hr)		
Latitude:	••••	Sample Col	lection: Star	t: <u>1 30/12</u>	1 <u>2:40</u> 		
Longitude:	44044440000 milosoonia		End	d://_	:		
Laboratory An	alyses:	***************************************					
Container 3 - 40mL VOA vial	<b>Preservative</b> 4 Deg C, HCL to pH<2	Holding Time 14 Days		iter by GC/MS fo	or Low Detection Limits		
Sample Comme	ents:						
(N/A)							

Sample Collected By:  $\top\!\!\!\top$ 

ASR Number:	7696 Sample Number:	119 QC Code: FB Ma	atrix: Water Ta	<b>g ID:</b> 7696-119-FB		
Project ID:		<del></del>	Project Manager: Tanyi Tanyi			
City:	18th and State Avenue site Kansas City		State: Kansas			
Program: Site Name:	Multi-Site - General		Site ID: 07ZZ Site			
Location Desc:	LDL VOA Trip Blank sampl	e				
	Ex	cternal Sample Number:		ALL CONTROL OF THE CO		
Expected Conc	(or Circle One:	Low Medium High)	Date	Time(24 hr)		
Latitude:		Sample Collection: Star	rt: 1/36/18	17:00		
Longitude:		En	d://_	_:_		
Laboratory An	alyses:					
Container 3 - 40mL VOA vial	Preservative I 4 Deg C, HCL to pH<2	Holding Time Analysis 14 Days 1 VOCs in Wa	ater by GC/MS for Lov	w Detection Limits		
Sample Commo	ents:					

Prepared by the Region 7 LTAB.

APPENDIX C

**BORING LOGS** 

				Boring Log   //2 4/ /巜
Site Name: Date/Time Drilling Me	Drilled:	x 5t p	0900	Project Number: <u>SB-</u> 103×90250107:004
Drilling Co Depth to W Location D	mpany: <u>﴿</u> معدater:ع	18-	-2/	Total Depth: 22
Coordinate Elevation:				_ Logged By: <u>)、シャルトラット</u> _ Boring Number: <u>-5</u> ß-/
Sample Interval	Percent Recovery	Depth (Feet)	PID	Description and Remarks
	70	_ _ _	6,0	SROWN SILTY CLAY W/ CRANGE MOTTUNG-VERY
		<u>5</u>	y , J	
	80	_ _ _ <i>]</i> D	ú. D	STIFFNES - NO JOUR
53-1(10 8752 7696	) 8()	- - -	o. D	SOPT GREYBLACK SICTI CLAY
ms/m	(9)	_ 	0.0	
71096   1098	40	<b>-</b>	o. V	Brown SILTY CLOY
,-10		20	والمعارضين المديد المار	WET @ 21 (GRACE CANS2 (11))
	~	_		FERUSALIO 22

				Boring Log 1/29/18
	Drilled:	129/18 129/18	1838	Project Number: 56-2 103x9025160107,002
Drilling Co Depth to W	mpany: <u>É</u> /ater: ^	-16		Total Depth:
Coordinate	es:			Logged By: Simpson  Boring Number: 513-2
Sample Interval	Percent Recovery	Depth (Feet)	PID Reading	Description and Remarks
	N. Control			CIGHT BROWN SILTY CLAY
1	70,	_	0.0	
		<u>5</u>		BROWN SILTY CLAY W/ 60501
- 1	80	_	0,0	BROWN SILTY CLAN W/ GREY/ ORDIGE STREETS MOTTUM
1		(V)		
	-	_	0-0	STIFF BROWNISH URAGE CLA W GRENFURANGE MATTING
	80	_		المام
53-2(		<u>5</u>	0-0	TAN CLAYEY FINE SAND,
1100				REFUSAL 8 17
NO WAT SAMPL		-		
DRY		_		
		- -		
		-		

			В	Soring Log 1/29/15
Site Name: Date/Time Drilling Me	Drilled: <u>'</u> thod: <u>'</u>	1/29/18	1130	Project Number: 55-3 103x9029160103.002
Depth to W	mpany: _6 /ater: /escription:	EPA 19		_Total Depth:
Coordinate Elevation:				607
Sample Interval	Percent Recovery	Depth (Feet)	PID Reading	Description and Remarks
	50	_	6.0	GRASS WEST SOFT GOESILTY CLOY
	50	_ G	u, U	STIFF DEY SILTY CLAY IN GREY & URANGE MOTTLING.
5B-3(11 7696-3 1203			6.0 -	TAN SOUTH SICT, W/ PINES AND MIST, WIST, W/ PINES AND
120		<u> </u>	6,0	
76963 1350	80	- -		
	and the second second second second second	20	6.0	
		-  -  -		REFUSAL BZI

		Boring Log	
Site Name: 18   Site Name: Date/Time Drilled: Drilling Method: Drilling Company: Expenditure of the state of	129/18 130		nsw)
Sample Interval Percent Recovery	Depth (Feet)	Reading	Description and Remarks
1320	5	BROWNISH (STRUNG VISIOSI DARK BR (SLIE	TEROUND SILTY CLAY  PETRO JOURN PRODUCT  E)  WIND SILTY CLAY  GNOT SEVER JOUR)  FUSAL DZI  FUSAL DZI

PID MAL-FUNCTION

			В	oring Log
Date/Time Drilling Me	Drilled: $\overline{\mathcal{D}}$		1400	Project Number: 103X 2025 16819.094
Drilling Co Depth to W Location D	/ater: <u> </u>	20'		_Total Depth: 21/
Coordinate Elevation:				Logged By: SINGSON  Boring Number: SISS
Sample Interval	Percent Recovery	Depth (Feet)	PID Reading	Description and Remarks
				DORK GROWN CLPY & GRAVEL
	40		0,0	TON/LT. BROWN SILTY CLAY
		5		
	80		0.0	GREYISH BANK BROWN SLLTV CLAY W/ URDNYE MUTTUNG
53-5 (10	1)	/0	97.7	
7696-1	, ,	_	(77)	STRONG PETRO OF OF W WOOD PIECES. 210-11.
	10	- - 19	×	
				TAN SILTY CLAY
	70		X	
7696 7696	104	28		
14:	50			REFUSALD Z
		<del>-</del>		

\* PO MALFUNCTION

			В	oring Log
	Drilled:	- 8 - 8	1430	Project Number: 183X9025 160107,074
Drilling Co Depth to W Location D	mpany: 🖺 /ater: <i>~</i> _	20		Total Depth: 21
Coordinate Elevation:				Logged By: SIMPSUM Boring Number: SB-Co
Sample Interval	Percent Recovery	Depth (Feet)	PID Reading	Description and Remarks
			<i>12</i>	GRASS. DARK BRUWN TUP SOIL
	70	<u>-</u>	N/0 *	BROWN SILTY CLAY W/ URANGETON MOTTLING.
		5		, , , , , , , , , , , , , , , , , , ,
	70	<u></u>		
	·	10		
	80	<u> </u>		
	DU	15		
7696-6	<i>(F)</i>	_		JANGE/GANGE
50-66 14:45	211)	- L)		JANGE/GREN SILTY CLAY in/ BLOCK STREAKS, VERY STIFF.
7696-1	(0 gs	_	V	There we is the common of the first to the f
had account and a second	Solve and an all the second			REFUSAL 221

\* PO MOLEUNION

	,		В	oring Log
Date/Time Drilling Me	Drilled:	1/29/18 1/29/18	1600	Project Number: 163X 9825160187, 884
Drilling Co Depth to W Location D	/ater: <u>^_/_²</u> escription	t* :		Total Depth: 16
Elevation:				Logged By: SIMPSON Boring Number: 53-7
Sample Interval	Percent Recovery	Depth (Feet)	PID Reading	Description and Remarks
	e	,_ _	~D*	REDDISH-BROWN CLAY W
1	30	<u></u>		
SG-7(8 7696	260	- - -		GREY STIFF CLAY WY BLACK STEEPHS.
1600	·.	<u>l</u> o		REDOISH-BRUN SOUT CLAY
7696-		-  -  -		WET DIA
1615		15		
	ali T	_		REFUSAL 2016
	,	_		
3.00		, ,		
		4	7	z.

\* PID MALTINITION

	Boring Log						
Site Name: 18th 51 DIE DE Project Number: 103X 902516 6107, 644  Date/Time Drilled: 1/29/19 1/63D  Drilling Method: 071							
Drilling Co. Depth to W Location D Coordinate	ater: <u>~ 2</u> escription:	201		Logged By: SIMPSUN			
Elevation:				Boring Number: 5/5-X			
Sample Interval	Percent Recovery	Depth (Feet)	PID Reading	Description and Remarks			
		_	ND株	Cack BROWN SIETY CLA			
	(4)			CREK BROWN SIETY CLAY			
	80	_					
:	80						
53-8(11		_					
1696-	, 80	<del>-</del>		GREYISD-TAN STIFF CLAY			
		_		B 12 11532 - 120 11 -			
		_		BROWNISH-ORANGE SOFF CLAY			
	90			CLAY. BROWN/ORANGE SOFT			
392%		_					
7696-1	o 7			SHALE ROCK,			
				REFUSALOZI			
		<del>-</del>					

\* PID MOLEUNGTION

			E	Boring Log	1
Date/Time Drilling Me	Drilled: _! ethod:	PT	6900	Project Number: 103X9825160187.604	
Drilling Co Depth to V	ompany: <u>C</u> Vater: <u>~</u>	-170		_Total Depth: 25	
	es:			Logged By: SIMPSUN Boring Number: SIG	
Sample Interval	Percent Recovery	Depth (Feet)	PID Reading	Description and Remarks	
		-	0.0	DARK BROWN SILTY CLAY	
	88	- - -	6.0	Brund-Gray STIFF CLAY	*
			,		84,
,	80	- -	4.8	BLACKSGROY STIFF CLAY MUDERATE PETRO OPOR.	
56-9. (117) 7696- 6928	9 80	- - -	35.6		
	80	15 - - -	3.4	SUFT BLACK-GREY CLAY. SLIGHT PETED UPOR.	
7696-1	58	_ 20 _ _ _	1.		3
		16		REFUSAL Q 2475	

		and the second of the second o	В	oring Log
Site Name: 1844 × STATE  Date/Time Drilled: 1/3/18 0930  Drilling Method: DIPT  Drilling Company: EPD			0930	Project Number: 103 x 90 2516 0107. 004
Depth to W	mpany: <u> </u>	91		Total Depth: 20
	es:			Logged By: $\frac{5/M}{5}$ $\frac{054N}{1}$ Boring Number: $\frac{5(5/1)}{1}$
Sample Interval	Percent Recovery	Depth (Feet)	PID Reading	Description and Remarks
				DARKBRUWN SILTY CLAY
	80		0.0	· · · · · · · · · · · · · · · · · · ·
		9		BROWNISH TAN STIFF CLAY
		_	o. V	
50-10(q	1)	<u>-</u>		
50-10(9 76-10 1000	)	<i>10</i>		BROWNISH GREY SORT CLAY W
	80	_	4,0	
አ <i>መ ነ</i> ፊያቸያ	T.C.	_ 15		
No water Sample DRY				
() (= y	80		<i>a</i> , <i>d</i>	
en management and the first	الموسيقية والمائية والموادية والموادية والموادية والموادية والموادية والموادية والموادية والموادية والموادية وا	20	Contraction is a second section of the section of the second section of the section	REFUSAL DZO
		_		1 2101/30 00 20
		_		

.

		, , , , , , , , , , , , , , , , , , ,	E	Boring Log						
Date/Time Drilling Me	Drilled:		<del></del>	Project Number: <u>183X 9125 16 010 7. 004</u>						
Drilling Co	mpany: <u> </u> /ater: <u> </u>	210 20		Total Depth: 21/						
Coordinate Elevation:				Logged By SIMPUN  Boring Number: SB-II						
Sample Interval	Percent Recovery	Depth (Feet)	PID Reading	Description and Remarks						
			0.0	DORK BROWN SILTY CLAY						
	80	- - 5	0,0	ORANGUSH-BROWN STIFF CLAY						
	80	_ _ _ _//	0 + V	SIET BROWN CLAY W/ ORANGE						
7696-1 50-11(1 1850			0,0							
		<u>15</u>	0 <sub>~</sub> U							
7096 1105	159	_ _ _20	0,0							
and the second s		The section of the last of the last	and the second s	PEFVIAL DZ						

				Boring Log							
Date/Time Drilling Me		195/19 11 PT/	TNIF 130	Project Number: 103x9073110107.004							
Depth to W	mpany:	18/		Total Depth: 21/							
Coordinate	es:			Logged By: SIMPSUN Boring Number: SB/2							
Sample Interval	Percent Recovery	Depth (Feet)	PID Reading	Description and Remarks							
		_		BROWN CLAYEN SILT							
	80	_									
		5									
	80			SUFT ORANGISH-BROWN SICT)							
		010									
	513-121	n)									
	7696	-12   15									
	80	_		W/COBBLES & MERICUALIS							
	269611	- 		'SPNO,							
	1220	20	والمعالمة والمعا								
	and the second s			REFUSAL WZ1							

APPENDIX D

**TABLES** 

TABLE 1

## SOIL SAMPLE ANALYTICAL RESULTS 18<sup>TH</sup> AND STATE AVENUE SITE KANSAS CITY, KANSAS

Location	Sample Number	Depth	Sample Date	Analytes and Results (µg/kg)						
Location	Sample Number	(ft bgs)	Sample Date	Acetone	2-Butanone (MEK)	Cyclohexane	Methylcyclohexane			
		EPA RSL	s - Residential Soil <sup>1</sup>	6,100,000	2,700,000	650,000	NE			
		EPA RS	Ls - Industrial Soil <sup>1</sup>	67,000,000	19,000,000	2,700,000	NE			
EPA SCDM Benchr	nark - Soil Exposu	re Componen	t - Non-Cancer Risk	70,000,000	40,000,000	NE	NE			
SB-1 (10')	7696-1	10	1/29/2018	26 J	21 U	10 U	10 U			
SB-2 (15')	7696-2	15	1/29/2018	15 J	14 U	7.1 U	7.1 U			
SB-3 (11')	7696-3	11	1/29/2018	62	16 U	8.2 U	8.2 U			
SB-4 (10')	7696-4	10	1/29/2018	5,000 U	5,000 U	25,000	43,000			
SB-5 (10')	7696-5	10	1/29/2018	1,100 U	1,100 U	2,500	6,100			
SB-6 (20')	7696-6	20	1/29/2018	49 J	22 U	11 U	11 U			
SB-7 (8')	7696-7	8	1/29/2018	12 U	12 U	6.1 U	6.1 U			
SB-8 (11')	7696-8	11	1/29/2018	6.2 U	6.2 U	3.1 U	3.1 U			
SB-9 (11')	7696-9	11	1/30/2018	780 U	780 U	390 U	390 U			
SB-10 (9')	7696-10	9	1/30/2018	45	15 U	7.5 U	7.5 U			
SB-11 (11')	7696-11	11	1/30/2018	22	11 U	5.3 U	5.3 U			
SB-12 (12')	7696-12	12	1/30/2018	52	14	5.6 U	5.6 U			

#### Notes:

<sup>1</sup>EPA Regional Screening Levels - Residential/Industrial Soil (TR=1.0 X 10<sup>-6</sup>; THQ=0.1)

Only analytes at detected concentrations above laboratory detection limits in one or more samples are listed.

Bold value indicates detection of analyte.

Micrograms per kilogram μg/kg bgs Below ground surface Dichloroethene DCE

U.S. Environmental Protection Agency **EPA** 

Identification of the analyte is acceptable; the reported value is an estimate. J

Methyl ethyl ketone MEK Not applicable NA

Regional Screening Level **RSL** 

**SCDM** Superfund Chemical Data Matrix

U Analyte not detected at or above reporting limit

# TABLE 2

# GROUNDWATER SAMPLE ANALYTICAL RESULTS 18<sup>TH</sup> AND STATE AVENUE SITE KANSAS CITY, KANSAS

		Depth (ft bgs)	Sample Date	Analytes and Results (µg/L)											
Location Samp	Sample Number			Benzene	Carbon Disulfide	Cyclohexane	cis -1,2-DCE	Ethylbenzene	Isopropylbenzene (cumene)	Methyl tert-butyl ether (MTBE)	Methylcyclohexane	Toluene	TCE	m- and p-xylene	o-xylene
			EPA MCL/MCLG	5	NE	NE	70	700	NE	NE	NE	1,000	5	10,000*	10,000*
EPA SCI	EPA SCDM Benchmark for Groundwater Pathway - Cancer Risk		1.4	NE	NE	NE	7	NE	43	NE	NE	1.1	NE	NE	
EPA SCDM B	enchmark for Gro	undwater Pathwa	y - Non-Cancer Risk	80	2,000	NE	40	2,000	2,000	NE	NE	1,000	10	4,000	4,000
SB-1	7696-101	21	1/29/2018	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
SB-4	7696-102	20	1/29/2018	0.53	0.67	4.0	0.50 U	0.50 U	0.50 U	16	4.0	0.50 U	0.50 U	0.50 U	0.50 U
SB-3	7696-103	20	1/29/2018	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	67	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
SB-5	7696-104	20	1/29/2018	27	0.50 U	38	0.50 U	2.8	3.3	39	27	1.4	0.50 U	2.2	0.70
SB-6	7696-105	20	1/29/2018	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
SB-7	7696-106	15	1/29/2018	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
SB-8	7696-107	20	1/29/2018	0.50 U	0.50 U	0.50 U	0.74	0.50 U	0.50 U	19	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
SB-9	7696-108	24	1/30/2018	0.50 U	0.75	0.50 U	0.50 U	0.50 U	0.50 U	8.8	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
SB-11	7696-109	19	1/30/2018	0.50 U	0.50 U	0.50 U	0.83	0.50 U	0.50 U	36	0.50 U	0.50 U	0.94	0.50 U	0.50 U
SB-12	7696-110	20	1/30/2018	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.86	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
MW-A	7696-111	21	1/30/2018	0.50 U	0.50 U	130	0.50 U	0.50 U	11	37	120	0.50 U	0.50 U	0.50 U	0.50 U
MW-7	7696-112	17	1/30/2018	0.50 U	0.50 U	0.66	6.9	0.50 U	0.50 U	18	0.50 U	0.50 U	4.2	0.50 U	0.50 U
Equipment Blank	7696-117-FB		1/30/2018	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Field Blank	7696-118-FB		1/30/2018	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Trip Blank	7696-119-FB		1/30/2018	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U

Notes:

Only analytes with concentrations above laboratory detection limits are listed. Bold value indicates detection of analyte.

No MCL established; MCL listed for total xylenes

μg/LbgsDCEMicrograms per literBelow ground surfaceDichloroethene

EPA U.S. Environmental Protection Agency

J Identification of analyte acceptable; reported value is an estimate.

MCL Maximum Contaminant Level MCLG Maximum Contaminant Level Goal

NE Not established

SCDM Superfund Chemical Data Matrix

TCE Trichloroethene

U Analyte not detected at or above reporting limit

Detected concentration equals or exceeds the EPA MCL.

Detected concentration equals or exceeds the EPA SCDM Benchmark for Groundwater Pathway - Cancer Risk

Detected concentration equals or exceeds the EPA SCDM Benchmark for Groundwater Pathway - Non-Cancer Risk

# APPENDIX E LABORATORY ANALYTICAL DATA

# United States Environmental Protection Agency Region 7 300 Minnesota Avenue Kansas City, KS 66101

**Date:** 03/02/2018

**Subject:** Transmittal of Sample Analysis Results for ASR #: 7696

Project ID: TT18STATE

Project Description: 18th and State Avenue site

From: Margaret E.W. St. Germain, Chief

Laboratory Technology & Analysis Branch, Environmental Sciences & Technology Division

**To:** Tanyi Tanyi

SUPR/AERR/RRNS

Enclosed are the analytical data for the above-referenced Analytical Services Request (ASR) and Project. The Regional Laboratory has reviewed and verified the results in accordance with procedures described in our Quality Manual (QM). In addition to all of the analytical results, this transmittal contains pertinent information that may have influenced the reported results and documents any deviations from the established requirements of the QM.

Please contact us within 14 days of receipt of this package if you determine there is a need for any changes. Please complete the Online ASR Sample/Data Disposition and Customer Survey for this ASR as soon as possible. The process of disposing of the samples for this ASR will be initiated 30 days from the date of this transmittal unless an alternate release date is specified on the Online ASR Sample/Data Disposition and Customer Survey.

If you have any questions or concerns relating to this data package, contact our customer service line at 913-551-5295.

#### Enclosures

cc: Analytical Data File.

#### **Summary of Project Information**

03/02/2018

Project Manager: Tanyi Tanyi Org: SUPR/AERR/R Phone: 913-551-7957

Project ID: TT18STATE

**Project Desc:** 18th and State Avenue site

**ASR Number:** 7696

Location: Kansas City State: Kansas Program: Superfund

Site Name: Multi-Site - General Site ID: 07ZZ Site OU: 00

Purpose: Site Preliminary Assessment GPRA PRC: 000DD2

Preliminary Assessment - Soil and GW sampling in support of PA at 18th and State

Avenue site.

Submitted ASR dated 12/7/2017 noted that this ASR is not part of a litigation hold at

this time.

#### Explanation of Codes, Units and Qualifiers used on this report

**Sample QC Codes:** QC Codes identify the type of sample for quality control purpose. **Units:** Specific units in which results are reported.

\_\_ = Field Sample ug/L = Micrograms per Liter
FB = Field Blank ug/kg = Micrograms per Kilogram

**Data Qualifiers:** Specific codes used in conjunction with data values to provide additional information on the quality of reported results, or used to explain the absence of a specific value.

(Blank) = Values have been reviewed and found acceptable for use.

U = The analyte was not detected at or above the reporting limit.

J = The identification of the analyte is acceptable; the reported value is an estimate.

## Sample Information Summary

**ASR Number:** 7696

Sample QC No Code	Matrix	Location Description	External Sample No	Start Date	Start Time	End Date	End Time	Receipt Date
1	Solid	SB-1 (10')		01/29/2018	09:50			01/31/2018
2	Solid	SB-2 (15')		01/29/2018	10:00			01/31/2018
3	Solid	SB-3 (11')		01/29/2018	12:00			01/31/2018
4	Solid	SB-4 (10')		01/29/2018	13:20			01/31/2018
5	Solid	SB-5 (10')		01/29/2018	14:20			01/31/2018
6	Solid	SB-6 (20')		01/29/2018	14:45			01/31/2018
7	Solid	SB-7 (8')		01/29/2018	16:00			01/31/2018
8	Solid	SB-8 (11')		01/29/2018	16:30			01/31/2018
9	Solid	SB-9 (11')		01/30/2018	09:20			01/31/2018
10	Solid	SB-10 (9')		01/30/2018	10:00			01/31/2018
11	Solid	SB-11 (11')		01/30/2018	10:50			01/31/2018
12	Solid	SB-12 (12')		01/30/2018	11:45			01/31/2018
101	Water	SB-1		01/29/2018	10:10			01/31/2018
102	Water	SB-4		01/29/2018	13:40			01/31/2018
103	Water	SB-3		01/29/2018	13:50			01/31/2018
104	Water	SB-5		01/29/2018	14:50			01/31/2018
105	Water	SB-6		01/29/2018	15:00			01/31/2018
106	Water	SB-7		01/29/2018	16:15			01/31/2018
107	Water	SB-8		01/29/2018	16:40			01/31/2018
108	Water	SB-9		01/30/2018	09:40			01/31/2018
109	Water	SB-11		01/30/2018	11:05			01/31/2018
110	Water	SB-12		01/30/2018	12:20			01/31/2018
111	Water	MW-A		01/30/2018	13:45			01/31/2018
112	Water	MW-7		01/30/2018	13:50			01/31/2018
117 - FB	Water	Equipment Blank		01/30/2018	12:30			01/31/2018
118 - FB	Water	Field Blank		01/30/2018	12:40			01/31/2018
119 - FB	Water	LDL VOA Trip Blank sample		01/30/2018	17:00			01/31/2018

ASR Number: 7696

### **RLAB Approved Analysis Comments**

03/02/2018

**Project ID:** TT18STATE

Project Desc 18th and State Avenue site

### **Analysis Comments About Results For This Analysis**

1 VOC's in Soil at Low Levels by GC/MS Closed-System Purge-and-Trap

Lab: Contract Lab Program (Out-Source)

Method: CLP Statement of Work

Basis: Dry

 Samples:
 1-\_\_\_
 2-\_\_\_
 3-\_\_\_
 4-\_\_\_
 5-\_\_\_
 6-\_\_\_
 7-\_\_

 8-\_\_
 9-\_\_
 10-\_\_
 11-\_\_
 12-\_\_

#### **Comments:**

Samples -4, -5 and -9 were analyzed as Medium Level VOAs analyses. The Low Level VOA CRQLs were raised by a factor of 333 times for sample -4; by a factor of 100 times for sample -5; and by a factor of 50 times for sample -9.

Acetone was J-coded in samples -1, -2 and -6. Although the analyte in question has been positively identified in the samples, the quantitation is an estimate (J-coded) due to high recovery of a surrogate analyte in these samples. The actual concentration for this analyte may be lower than the reported values.

1 VOCs in Water by GC/MS for Low Detection Limits

**Lab:** Contract Lab Program (Out-Source)

Method: CLP Statement of Work

 Samples:
 101-\_\_\_\_
 102-\_\_\_\_
 103-\_\_\_\_
 104-\_\_\_\_
 105-\_\_\_\_
 106-\_\_\_\_
 107-\_\_\_

 108-\_\_\_\_
 109-\_\_\_\_
 110-\_\_\_\_
 111-\_\_\_\_
 112-\_\_\_\_
 117-FB
 118-FB

119-FB

#### **Comments:**

Samples -101, -106 and -111 were diluted prior to analysis due to foaming and to preserve the integrity of the analytical system. The detection limits were raised by a factor of 5 for sample -101; by a factor of 2 for sample -106; and by a factor of 10 for sample -111.

# **RLAB Approved Sample Analysis Results**

**ASR Number:** 7696

Analysis/ Analyte	Units	1	2	3	4							
1 VOC's in Soil at Low Levels by GC/MS Closed-System Purge-and-Trap												
Acetone	ug/kg	26 J	15 J	62	5000 U							
Benzene	ug/kg	10 U	7.1 U	8.2 U	2500 U							
Bromochloromethane	ug/kg	10 U	7.1 U	8.2 U	2500 U							
Bromodichloromethane	ug/kg	10 U	7.1 U	8.2 U	2500 U							
Bromoform	ug/kg	10 U	7.1 U	8.2 U	2500 U							
Bromomethane	ug/kg	10 U	7.1 U	8.2 U	2500 U							
2-Butanone	ug/kg	21 U	14 U	16 U	5000 U							
Carbon Disulfide	ug/kg	10 U	7.1 U	8.2 U	2500 U							
Carbon Tetrachloride	ug/kg	10 U	7.1 U	8.2 U	2500 U							
Chlorobenzene	ug/kg	10 U	7.1 U	8.2 U	2500 U							
Chloroethane	ug/kg	10 U	7.1 U	8.2 U	2500 U							
Chloroform	ug/kg	10 U	7.1 U	8.2 U	2500 U							
Chloromethane	ug/kg	10 U	7.1 U	8.2 U	2500 U							
Cyclohexane	ug/kg	10 U	7.1 U	8.2 U	25000							
1,2-Dibromo-3-Chloropropane	ug/kg	10 U	7.1 U	8.2 U	2500 U							
Dibromochloromethane	ug/kg	10 U	7.1 U	8.2 U	2500 U							
1,2-Dibromoethane	ug/kg	10 U	7.1 U	8.2 U	2500 U							
1,2-Dichlorobenzene	ug/kg	10 U	7.1 U	8.2 U	2500 U							
1,3-Dichlorobenzene	ug/kg	10 U	7.1 U	8.2 U	2500 U							
1,4-Dichlorobenzene	ug/kg	10 U	7.1 U	8.2 U	2500 U							
Dichlorodifluoromethane	ug/kg	10 U	7.1 U	8.2 U	2500 U							
1,1-Dichloroethane	ug/kg	10 U	7.1 U	8.2 U	2500 U							
1,2-Dichloroethane	ug/kg	10 U	7.1 U	8.2 U	2500 U							
1,1-Dichloroethene	ug/kg	10 U	7.1 U	8.2 U	2500 U							
cis-1,2-Dichloroethene	ug/kg	10 U	7.1 U	8.2 U	2500 U							
trans-1,2-Dichloroethene	ug/kg	10 U	7.1 U	8.2 U	2500 U							
1,2-Dichloropropane	ug/kg	10 U	7.1 U	8.2 U	2500 U							
cis-1,3-Dichloropropene	ug/kg	10 U	7.1 U	8.2 U	2500 U							
trans-1,3-Dichloropropene	ug/kg	10 U	7.1 U	8.2 U	2500 U							
Ethyl Benzene	ug/kg	10 U	7.1 U	8.2 U	2500 U							
2-Hexanone	ug/kg	21 U	14 U	16 U	5000 U							
Isopropylbenzene	ug/kg	10 U	7.1 U	8.2 U	2500 U							
Methyl Acetate	ug/kg	10 U	7.1 U	8.2 U	2500 U							
Methyl tert-butyl ether	ug/kg	10 U	7.1 U	8.2 U	2500 U							
Methylcyclohexane	ug/kg	10 U	7.1 U	8.2 U	43000							
Methylene Chloride	ug/kg	10 U	7.1 U	8.2 U	2500 U							
4-Methyl-2-Pentanone	ug/kg	21 U	14 U	16 U	5000 U							
Styrene	ug/kg	10 U	7.1 U	8.2 U	2500 U							
1,1,2,2-Tetrachloroethane	ug/kg	10 U	7.1 U	8.2 U	2500 U							
Tetrachloroethene	ug/kg	10 U	7.1 U	8.2 U	2500 U							
Toluene	ug/kg	10 U	7.1 U	8.2 U	2500 U							
1,2,3-Trichlorobenzene	ug/kg	10 U	7.1 U	8.2 U	2500 U							
1,2,4-Trichlorobenzene	ug/kg	10 U	7.1 U	8.2 U	2500 U							
1,1,1-Trichloroethane	ug/kg	10 U	7.1 U	8.2 U	2500 U							
1,1,2-Trichloroethane	ug/kg	10 U	7.1 U	8.2 U	2500 U							
	J. J											

Analysis/ Analyte	Units	1	2	3	4
Trichloroethene	ug/kg	10 U	7.1 U	8.2 U	2500 U
Trichlorofluoromethane	ug/kg	10 U	7.1 U	8.2 U	2500 U
1,1,2-Trichlorotrifluoroethane	ug/kg	10 U	7.1 U	8.2 U	2500 U
Vinyl Chloride	ug/kg	10 U	7.1 U	8.2 U	2500 U
m and/or p-Xylene	ug/kg	10 U	7.1 U	8.2 U	2500 U
o-Xylene	ug/kg	10 U	7.1 U	8.2 U	2500 U

Analysis/ Analyte	Units	5	6	7	8					
1 VOC's in Soil at Low Levels by GC/MS Closed	1 VOC's in Soil at Low Levels by GC/MS Closed-System Purge-and-Trap									
Acetone	ug/kg	1100 U	49 J	12 U	6.2 U					
Benzene	ug/kg	570 U	11 U	6.1 U	3.1 U					
Bromochloromethane	ug/kg	570 U	11 U	6.1 U	3.1 U					
Bromodichloromethane	ug/kg	570 U	11 U	6.1 U	3.1 U					
Bromoform	ug/kg	570 U	11 U	6.1 U	3.1 U					
Bromomethane	ug/kg	570 U	11 U	6.1 U	3.1 U					
2-Butanone	ug/kg	1100 U	22 U	12 U	6.2 U					
Carbon Disulfide	ug/kg	570 U	11 U	6.1 U	3.1 U					
Carbon Tetrachloride	ug/kg	570 U	11 U	6.1 U	3.1 U					
Chlorobenzene	ug/kg	570 U	11 U	6.1 U	3.1 U					
Chloroethane	ug/kg	570 U	11 U	6.1 U	3.1 U					
Chloroform	ug/kg	570 U	11 U	6.1 U	3.1 U					
Chloromethane	ug/kg	570 U	11 U	6.1 U	3.1 U					
Cyclohexane	ug/kg	2500	11 U	6.1 U	3.1 U					
1,2-Dibromo-3-Chloropropane	ug/kg	570 U	11 U	6.1 U	3.1 U					
Dibromochloromethane	ug/kg	570 U	11 U	6.1 U	3.1 U					
1,2-Dibromoethane	ug/kg	570 U	11 U	6.1 U	3.1 U					
1,2-Dichlorobenzene	ug/kg	570 U	11 U	6.1 U	3.1 U					
1,3-Dichlorobenzene	ug/kg	570 U	11 U	6.1 U	3.1 U					
1,4-Dichlorobenzene	ug/kg	570 U	11 U	6.1 U	3.1 U					
Dichlorodifluoromethane	ug/kg	570 U	11 U	6.1 U	3.1 U					
1,1-Dichloroethane	ug/kg	570 U	11 U	6.1 U	3.1 U					
1,2-Dichloroethane	ug/kg	570 U	11 U	6.1 U	3.1 U					
1,1-Dichloroethene	ug/kg	570 U	11 U	6.1 U	3.1 U					
cis-1,2-Dichloroethene	ug/kg	570 U	11 U	6.1 U	3.1 U					
trans-1,2-Dichloroethene	ug/kg	570 U	11 U	6.1 U	3.1 U					
1,2-Dichloropropane	ug/kg	570 U	11 U	6.1 U	3.1 U					
cis-1,3-Dichloropropene	ug/kg	570 U	11 U	6.1 U	3.1 U					
trans-1,3-Dichloropropene	ug/kg	570 U	11 U	6.1 U	3.1 U					
Ethyl Benzene	ug/kg	570 U	11 U	6.1 U	3.1 U					
2-Hexanone	ug/kg	1100 U	22 U	12 U	6.2 U					
Isopropylbenzene	ug/kg	570 U	11 U	6.1 U	3.1 U					
Methyl Acetate	ug/kg	570 U	11 U	6.1 U	3.1 U					
Methyl tert-butyl ether	ug/kg	570 U	11 U	6.1 U	3.1 U					
Methylcyclohexane	ug/kg	6100	11 U	6.1 U	3.1 U					
Methylene Chloride	ug/kg	570 U	11 U	6.1 U	3.1 U					
4-Methyl-2-Pentanone	ug/kg	1100 U	22 U	12 U	6.2 U					
Styrene	ug/kg	570 U	11 U	6.1 U	3.1 U					
1,1,2,2-Tetrachloroethane	ug/kg	570 U	11 U	6.1 U	3.1 U					
Tetrachloroethene	ug/kg	570 U	11 U	6.1 U	3.1 U					
Toluene	ug/kg	570 U	11 U	6.1 U	3.1 U					
1,2,3-Trichlorobenzene	ug/kg	570 U	11 U	6.1 U	3.1 U					
1,2,4-Trichlorobenzene	ug/kg	570 U	11 U	6.1 U	3.1 U					
1,1,1-Trichloroethane	ug/kg	570 U	11 U	6.1 U	3.1 U					
1,1,2-Trichloroethane	ug/kg	570 U	11 U	6.1 U	3.1 U					

Analysis/ Analyte	Units	5	6	7	8
Trichloroethene	ug/kg	570 U	11 U	6.1 U	3.1 U
Trichlorofluoromethane	ug/kg	570 U	11 U	6.1 U	3.1 U
1,1,2-Trichlorotrifluoroethane	ug/kg	570 U	11 U	6.1 U	3.1 U
Vinyl Chloride	ug/kg	570 U	11 U	6.1 U	3.1 U
m and/or p-Xylene	ug/kg	570 U	11 U	6.1 U	3.1 U
o-Xylene	ug/kg	570 U	11 U	6.1 U	3.1 U

Analysis/ Analyte	Units	9	10	11	12
1 VOC's in Soil at Low Levels by GC/MS Closed	-Svstem Pura	ie-and-Trap			
Acetone	ug/kg	780 U	45	22	52
Benzene	ug/kg	390 U	7.5 U	5.3 U	5.6 U
Bromochloromethane	ug/kg	390 U	7.5 U	5.3 U	5.6 U
Bromodichloromethane	ug/kg	390 U	7.5 U	5.3 U	5.6 U
Bromoform	ug/kg	390 U	7.5 U	5.3 U	5.6 U
Bromomethane	ug/kg	390 U	7.5 U	5.3 U	5.6 U
2-Butanone	ug/kg	780 U	15 U	11 U	14
Carbon Disulfide	ug/kg	390 U	7.5 U	5.3 U	5.6 U
Carbon Tetrachloride	ug/kg	390 U	7.5 U	5.3 U	5.6 U
Chlorobenzene	ug/kg	390 U	7.5 U	5.3 U	5.6 U
Chloroethane	ug/kg	390 U	7.5 U	5.3 U	5.6 U
Chloroform	ug/kg	390 U	7.5 U	5.3 U	5.6 U
Chloromethane	ug/kg	390 U	7.5 U	5.3 U	5.6 U
Cyclohexane	ug/kg	390 U	7.5 U	5.3 U	5.6 U
1,2-Dibromo-3-Chloropropane	ug/kg	390 U	7.5 U	5.3 U	5.6 U
Dibromochloromethane	ug/kg	390 U	7.5 U	5.3 U	5.6 U
1,2-Dibromoethane	ug/kg	390 U	7.5 U	5.3 U	5.6 U
1,2-Dichlorobenzene	ug/kg	390 U	7.5 U	5.3 U	5.6 U
1,3-Dichlorobenzene	ug/kg	390 U	7.5 U	5.3 U	5.6 U
1,4-Dichlorobenzene	ug/kg	390 U	7.5 U	5.3 U	5.6 U
Dichlorodifluoromethane	ug/kg	390 U	7.5 U	5.3 U	5.6 U
1,1-Dichloroethane	ug/kg	390 U	7.5 U	5.3 U	5.6 U
1,2-Dichloroethane	ug/kg	390 U	7.5 U	5.3 U	5.6 U
1,1-Dichloroethene	ug/kg	390 U	7.5 U	5.3 U	5.6 U
cis-1,2-Dichloroethene	ug/kg	390 U	7.5 U	5.3 U	5.6 U
trans-1,2-Dichloroethene	ug/kg	390 U	7.5 U	5.3 U	5.6 U
1,2-Dichloropropane	ug/kg	390 U	7.5 U	5.3 U	5.6 U
cis-1,3-Dichloropropene	ug/kg	390 U	7.5 U	5.3 U	5.6 U
trans-1,3-Dichloropropene	ug/kg	390 U	7.5 U	5.3 U	5.6 U
Ethyl Benzene	ug/kg	390 U	7.5 U	5.3 U	5.6 U
2-Hexanone	ug/kg	780 U	15 U	11 U	11 U
Isopropylbenzene	ug/kg	390 U	7.5 U	5.3 U	5.6 U
Methyl Acetate	ug/kg	390 U	7.5 U	5.3 U	5.6 U
Methyl tert-butyl ether	ug/kg	390 U	7.5 U	5.3 U	5.6 U
Methylcyclohexane	ug/kg	390 U	7.5 U	5.3 U	5.6 U
Methylene Chloride	ug/kg	390 U	7.5 U	5.3 U	5.6 U
4-Methyl-2-Pentanone	ug/kg	780 U	15 U	11 U	11 U
Styrene	ug/kg	390 U	7.5 U	5.3 U	5.6 U
1,1,2,2-Tetrachloroethane	ug/kg	390 U	7.5 U	5.3 U	5.6 U
Tetrachloroethene	ug/kg	390 U	7.5 U	5.3 U	5.6 U
Toluene	ug/kg	390 U	7.5 U	5.3 U	5.6 U
1,2,3-Trichlorobenzene	ug/kg	390 U	7.5 U	5.3 U	5.6 U
1,2,4-Trichlorobenzene	ug/kg	390 U	7.5 U	5.3 U	5.6 U
1,1,1-Trichloroethane	ug/kg	390 U	7.5 U	5.3 U	5.6 U
1,1,2-Trichloroethane	ug/kg	390 U	7.5 U	5.3 U	5.6 U

**Project ID:** TT18STATE

**Project Desc:** 18th and State Avenue site

Analysis/ Analyte	Units	9	10	11	12
Trichloroethene	ug/kg	390 U	7.5 U	5.3 U	5.6 U
Trichlorofluoromethane	ug/kg	390 U	7.5 U	5.3 U	5.6 U
1,1,2-Trichlorotrifluoroethane	ug/kg	390 U	7.5 U	5.3 U	5.6 U
Vinyl Chloride	ug/kg	390 U	7.5 U	5.3 U	5.6 U
m and/or p-Xylene	ug/kg	390 U	7.5 U	5.3 U	5.6 U
o-Xylene	ug/kg	390 U	7.5 U	5.3 U	5.6 U

Analysis/ Analyte	Units	101	102	103	104			
1 VOCs in Water by GC/MS for Low Detection Limits								
Acetone	ug/L	25 U	5.0 U	5.0 U	5.0 U			
Benzene	ug/L	2.5 U	0.53	0.50 U	27			
Bromochloromethane	ug/L	2.5 U	0.50 U	0.50 U	0.50 U			
Bromodichloromethane	ug/L	2.5 U	0.50 U	0.50 U	0.50 U			
Bromoform	ug/L	2.5 U	0.50 U	0.50 U	0.50 U			
Bromomethane	ug/L	2.5 U	0.50 U	0.50 U	0.50 U			
2-Butanone	ug/L	25 U	5.0 U	5.0 U	5.0 U			
Carbon Disulfide	ug/L	2.5 U	0.67	0.50 U	0.50 U			
Carbon Tetrachloride	ug/L	2.5 U	0.50 U	0.50 U	0.50 U			
Chlorobenzene	ug/L	2.5 U	0.50 U	0.50 U	0.50 U			
Chloroethane	ug/L	2.5 U	0.50 U	0.50 U	0.50 U			
Chloroform	ug/L	2.5 U	0.50 U	0.50 U	0.50 U			
Chloromethane	ug/L	2.5 U	0.50 U	0.50 U	0.50 U			
Cyclohexane	ug/L	2.5 U	4.0	0.50 U	38			
1,2-Dibromo-3-Chloropropane	ug/L	2.5 U	0.50 U	0.50 U	0.50 U			
Dibromochloromethane	ug/L	2.5 U	0.50 U	0.50 U	0.50 U			
1,2-Dibromoethane	ug/L	2.5 U	0.50 U	0.50 U	0.50 U			
1,2-Dichlorobenzene	ug/L	2.5 U	0.50 U	0.50 U	0.50 U			
1,3-Dichlorobenzene	ug/L	2.5 U	0.50 U	0.50 U	0.50 U			
1,4-Dichlorobenzene	ug/L	2.5 U	0.50 U	0.50 U	0.50 U			
Dichlorodifluoromethane	ug/L	2.5 U	0.50 U	0.50 U	0.50 U			
1,1-Dichloroethane	ug/L	2.5 U	0.50 U	0.50 U	0.50 U			
1,2-Dichloroethane	ug/L	2.5 U	0.50 U	0.50 U	0.50 U			
1,1-Dichloroethene	ug/L	2.5 U	0.50 U	0.50 U	0.50 U			
cis-1,2-Dichloroethene	ug/L	2.5 U	0.50 U	0.50 U	0.50 U			
trans-1,2-Dichloroethene	ug/L	2.5 U	0.50 U	0.50 U	0.50 U			
1,2-Dichloropropane	ug/L	2.5 U	0.50 U	0.50 U	0.50 U			
cis-1,3-Dichloropropene	ug/L	2.5 U	0.50 U	0.50 U	0.50 U			
trans-1,3-Dichloropropene	ug/L	2.5 U	0.50 U	0.50 U	0.50 U			
Ethyl Benzene	ug/L	2.5 U	0.50 U	0.50 U	2.8			
2-Hexanone	ug/L	25 U	5.0 U	5.0 U	5.0 U			
Isopropylbenzene	ug/L	2.5 U	0.50 U	0.50 U	3.3			
Methyl Acetate	ug/L	2.5 U	0.50 U	0.50 U	0.50 U			
Methyl tert-butyl ether	ug/L	2.5 U	16	67	39			
Methylcyclohexane	ug/L	2.5 U	4.0	0.50 U	27			
Methylene Chloride	ug/L	2.5 U	0.50 U	0.50 U	0.50 U			
4-Methyl-2-Pentanone	ug/L	25 U	5.0 U	5.0 U	5.0 U			
Styrene	ug/L	2.5 U	0.50 U	0.50 U	0.50 U			
1,1,2,2-Tetrachloroethane	ug/L	2.5 U	0.50 U	0.50 U	0.50 U			
Tetrachloroethene	ug/L	2.5 U	0.50 U	0.50 U	0.50 U			
Toluene	ug/L	2.5 U	0.50 U	0.50 U	1.4			
1,2,3-Trichlorobenzene	ug/L	2.5 U	0.50 U	0.50 U	0.50 U			
1,2,4-Trichlorobenzene	ug/L	2.5 U	0.50 U	0.50 U	0.50 U			
1,1,1-Trichloroethane	ug/L	2.5 U	0.50 U	0.50 U	0.50 U			
1,1,2-Trichloroethane	ug/L	2.5 U	0.50 U	0.50 U	0.50 U			

Analysis/ Analyte	Units	101	102	103	104
Trichloroethene	ug/L	2.5 U	0.50 U	0.50 U	0.50 U
Trichlorofluoromethane	ug/L	2.5 U	0.50 U	0.50 U	0.50 U
1,1,2-Trichlorotrifluoroethane	ug/L	2.5 U	0.50 U	0.50 U	0.50 U
Vinyl Chloride	ug/L	2.5 U	0.50 U	0.50 U	0.50 U
m and/or p-Xylene	ug/L	2.5 U	0.50 U	0.50 U	2.2
o-Xylene	ug/L	2.5 U	0.50 U	0.50 U	0.70

Analysis/ Analyte	Units	105	106	107	108			
1 VOCs in Water by GC/MS for Low Detection Limits								
Acetone	ug/L	5.0 U	10 U	5.0 U	5.0 U			
Benzene	ug/L	0.50 U	1.0 U	0.50 U	0.50 U			
Bromochloromethane	ug/L	0.50 U	1.0 U	0.50 U	0.50 U			
Bromodichloromethane	ug/L	0.50 U	1.0 U	0.50 U	0.50 U			
Bromoform	ug/L	0.50 U	1.0 U	0.50 U	0.50 U			
Bromomethane	ug/L	0.50 U	1.0 U	0.50 U	0.50 U			
2-Butanone	ug/L	5.0 U	10 U	5.0 U	5.0 U			
Carbon Disulfide	ug/L	0.50 U	1.0 U	0.50 U	0.75			
Carbon Tetrachloride	ug/L	0.50 U	1.0 U	0.50 U	0.50 U			
Chlorobenzene	ug/L	0.50 U	1.0 U	0.50 U	0.50 U			
Chloroethane	ug/L	0.50 U	1.0 U	0.50 U	0.50 U			
Chloroform	ug/L	0.50 U	1.0 U	0.50 U	0.50 U			
Chloromethane	ug/L	0.50 U	1.0 U	0.50 U	0.50 U			
Cyclohexane	ug/L	0.50 U	1.0 U	0.50 U	0.50 U			
1,2-Dibromo-3-Chloropropane	ug/L	0.50 U	1.0 U	0.50 U	0.50 U			
Dibromochloromethane	ug/L	0.50 U	1.0 U	0.50 U	0.50 U			
1,2-Dibromoethane	ug/L	0.50 U	1.0 U	0.50 U	0.50 U			
1,2-Dichlorobenzene	ug/L	0.50 U	1.0 U	0.50 U	0.50 U			
1,3-Dichlorobenzene	ug/L	0.50 U	1.0 U	0.50 U	0.50 U			
1,4-Dichlorobenzene	ug/L	0.50 U	1.0 U	0.50 U	0.50 U			
Dichlorodifluoromethane	ug/L	0.50 U	1.0 U	0.50 U	0.50 U			
1,1-Dichloroethane	ug/L	0.50 U	1.0 U	0.50 U	0.50 U			
1,2-Dichloroethane	ug/L	0.50 U	1.0 U	0.50 U	0.50 U			
1,1-Dichloroethene	ug/L	0.50 U	1.0 U	0.50 U	0.50 U			
cis-1,2-Dichloroethene	ug/L	0.50 U	1.0 U	0.74	0.50 U			
trans-1,2-Dichloroethene	ug/L	0.50 U	1.0 U	0.50 U	0.50 U			
1,2-Dichloropropane	ug/L	0.50 U	1.0 U	0.50 U	0.50 U			
cis-1,3-Dichloropropene	ug/L	0.50 U	1.0 U	0.50 U	0.50 U			
trans-1,3-Dichloropropene	ug/L	0.50 U	1.0 U	0.50 U	0.50 U			
Ethyl Benzene	ug/L	0.50 U	1.0 U	0.50 U	0.50 U			
2-Hexanone	ug/L	5.0 U	10 U	5.0 U	5.0 U			
Isopropylbenzene	ug/L	0.50 U	1.0 U	0.50 U	0.50 U			
Methyl Acetate	ug/L	0.50 U	1.0 U	0.50 U	0.50 U			
Methyl tert-butyl ether	ug/L	0.50 U	1.0 U	19	8.8			
Methylcyclohexane	ug/L	0.50 U	1.0 U	0.50 U	0.50 U			
Methylene Chloride	ug/L	0.50 U	1.0 U	0.50 U	0.50 U			
4-Methyl-2-Pentanone	ug/L	5.0 U	10 U	5.0 U	5.0 U			
Styrene	ug/L	0.50 U	1.0 U	0.50 U	0.50 U			
1,1,2,2-Tetrachloroethane	ug/L	0.50 U	1.0 U	0.50 U	0.50 U			
Tetrachloroethene	ug/L	0.50 U	1.0 U	0.50 U	0.50 U			
Toluene	ug/L	0.50 U	1.0 U	0.50 U	0.50 U			
1,2,3-Trichlorobenzene	ug/L	0.50 U	1.0 U	0.50 U	0.50 U			
1,2,4-Trichlorobenzene	ug/L	0.50 U	1.0 U	0.50 U	0.50 U			
1,1,1-Trichloroethane	ug/L	0.50 U	1.0 U	0.50 U	0.50 U			
1,1,2-Trichloroethane	ug/L	0.50 U	1.0 U	0.50 U	0.50 U			

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Analysis/ Analyte	Units	105	106	107	108
Trichloroethene	ug/L	0.50 U	1.0 U	0.50 U	0.50 U
Trichlorofluoromethane	ug/L	0.50 U	1.0 U	0.50 U	0.50 U
1,1,2-Trichlorotrifluoroethane	ug/L	0.50 U	1.0 U	0.50 U	0.50 U
Vinyl Chloride	ug/L	0.50 U	1.0 U	0.50 U	0.50 U
m and/or p-Xylene	ug/L	0.50 U	1.0 U	0.50 U	0.50 U
o-Xylene	ug/L	0.50 U	1.0 U	0.50 U	0.50 U

Analysis/ Analyte	Units	109	110	111	112			
1 VOCs in Water by GC/MS for Low Detection Limits								
Acetone	ug/L	5.0 U	5.0 U	50 U	5.0 U			
Benzene	ug/L	0.50 U	0.50 U	5.0 U	0.50 U			
Bromochloromethane	ug/L	0.50 U	0.50 U	5.0 U	0.50 U			
Bromodichloromethane	ug/L	0.50 U	0.50 U	5.0 U	0.50 U			
Bromoform	ug/L	0.50 U	0.50 U	5.0 U	0.50 U			
Bromomethane	ug/L	0.50 U	0.50 U	5.0 U	0.50 U			
2-Butanone	ug/L	5.0 U	5.0 U	50 U	5.0 U			
Carbon Disulfide	ug/L	0.50 U	0.50 U	5.0 U	0.50 U			
Carbon Tetrachloride	ug/L	0.50 U	0.50 U	5.0 U	0.50 U			
Chlorobenzene	ug/L	0.50 U	0.50 U	5.0 U	0.50 U			
Chloroethane	ug/L	0.50 U	0.50 U	5.0 U	0.50 U			
Chloroform	ug/L	0.50 U	0.50 U	5.0 U	0.50 U			
Chloromethane	ug/L	0.50 U	0.50 U	5.0 U	0.50 U			
Cyclohexane	ug/L	0.50 U	0.50 U	130	0.66			
1,2-Dibromo-3-Chloropropane	ug/L	0.50 U	0.50 U	5.0 U	0.50 U			
Dibromochloromethane	ug/L	0.50 U	0.50 U	5.0 U	0.50 U			
1,2-Dibromoethane	ug/L	0.50 U	0.50 U	5.0 U	0.50 U			
1,2-Dichlorobenzene	ug/L	0.50 U	0.50 U	5.0 U	0.50 U			
1,3-Dichlorobenzene	ug/L	0.50 U	0.50 U	5.0 U	0.50 U			
1,4-Dichlorobenzene	ug/L	0.50 U	0.50 U	5.0 U	0.50 U			
Dichlorodifluoromethane	ug/L	0.50 U	0.50 U	5.0 U	0.50 U			
1,1-Dichloroethane	ug/L	0.50 U	0.50 U	5.0 U	0.50 U			
1,2-Dichloroethane	ug/L	0.50 U	0.50 U	5.0 U	0.50 U			
1,1-Dichloroethene	ug/L	0.50 U	0.50 U	5.0 U	0.50 U			
cis-1,2-Dichloroethene	ug/L	0.83	0.50 U	5.0 U	6.9			
trans-1,2-Dichloroethene	ug/L	0.50 U	0.50 U	5.0 U	0.50 U			
1,2-Dichloropropane	ug/L	0.50 U	0.50 U	5.0 U	0.50 U			
cis-1,3-Dichloropropene	ug/L	0.50 U	0.50 U	5.0 U	0.50 U			
trans-1,3-Dichloropropene	ug/L	0.50 U	0.50 U	5.0 U	0.50 U			
Ethyl Benzene	ug/L	0.50 U	0.50 U	5.0 U	0.50 U			
2-Hexanone	ug/L	5.0 U	5.0 U	50 U	5.0 U			
Isopropylbenzene	ug/L	0.50 U	0.50 U	11	0.50 U			
Methyl Acetate	ug/L	0.50 U	0.50 U	5.0 U	0.50 U			
Methyl tert-butyl ether	ug/L	36	0.86	37	18			
Methylcyclohexane	ug/L	0.50 U	0.50 U	120	0.50 U			
Methylene Chloride	ug/L	0.50 U	0.50 U	5.0 U	0.50 U			
4-Methyl-2-Pentanone	ug/L	5.0 U	5.0 U	50 U	5.0 U			
Styrene	ug/L	0.50 U	0.50 U	5.0 U	0.50 U			
1,1,2,2-Tetrachloroethane	ug/L	0.50 U	0.50 U	5.0 U	0.50 U			
Tetrachloroethene	ug/L	0.50 U	0.50 U	5.0 U	0.50 U			
Toluene	ug/L	0.50 U	0.50 U	5.0 U	0.50 U			
1,2,3-Trichlorobenzene	ug/L	0.50 U	0.50 U	5.0 U	0.50 U			
1,2,4-Trichlorobenzene	ug/L	0.50 U	0.50 U	5.0 U	0.50 U			
1,1,1-Trichloroethane	ug/L	0.50 U	0.50 U	5.0 U	0.50 U			
1,1,2-Trichloroethane	ug/L	0.50 U	0.50 U	5.0 U	0.50 U			

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Analysis/ Analyte	Units	109	110	111	112
Trichloroethene	ug/L	0.94	0.50 U	5.0 U	4.2
Trichlorofluoromethane	ug/L	0.50 U	0.50 U	5.0 U	0.50 U
1,1,2-Trichlorotrifluoroethane	ug/L	0.50 U	0.50 U	5.0 U	0.50 U
Vinyl Chloride	ug/L	0.50 U	0.50 U	5.0 U	0.50 U
m and/or p-Xylene	ug/L	0.50 U	0.50 U	5.0 U	0.50 U
o-Xylene	ug/L	0.50 U	0.50 U	5.0 U	0.50 U

Acetane	Analysis/ Analyte	Units	117-FB	118-FB	119-FB
Acetone	1 VOCs in Water by GC/MS for Low Detection L	imits			
Bromochloromethane         ug/L         0.50 U         0.50 U         0.50 U           Bromofichloromethane         ug/L         0.50 U         0.50 U         0.50 U         0.50 U           Bromoferm         ug/L         0.50 U         0.50 U         0.50 U           Bromomethane         ug/L         0.50 U         0.50 U         0.50 U           Carbon Disulfide         ug/L         0.50 U         0.50 U         0.50 U           Carbon Disulfide         ug/L         0.50 U         0.50 U         0.50 U           Chlorobenzene         ug/L         0.50 U         0.50 U         0.50 U           Chlorothane         ug/L         0.50 U         0.50 U         0.50 U           Chlorothane         ug/L         0.50 U         0.50 U         0.50 U           Chloromethane         ug/L         0.50 U         0.50 U         0.50 U           Cyclohexane         ug/L         0.50 U         0.50 U         0.50 U           Dibromochloromethane         ug/L         0.50 U         0.50 U         0.50 U           1,2-Dibromochloromethane         ug/L         0.50 U         0.50 U         0.50 U           1,2-Dichlorobenzene         ug/L         0.50 U         0.50 U	• •		5.0 U	5.0 U	5.0 U
Bromodichloromethane         ug/L         0.50 U         0.50 U         0.50 U           Brommorem         ug/L         0.50 U         0.50 U <t< td=""><td>Benzene</td><td>ug/L</td><td>0.50 U</td><td>0.50 U</td><td>0.50 U</td></t<>	Benzene	ug/L	0.50 U	0.50 U	0.50 U
Bromoform         ug/L         0.50 U         0.50 U         0.50 U           Bromomethane         ug/L         0.50 U         0.50 U         0.50 U           2-Butanone         ug/L         0.50 U         0.50 U         5.0 U           Carbon Disulfide         ug/L         0.50 U         0.50 U         0.50 U           Chloroberane         ug/L         0.50 U         0.50 U         0.50 U           Chloroethane         ug/L         0.50 U         0.50 U         0.50 U           Chloroethane         ug/L         0.50 U         0.50 U         0.50 U           Chloroethane         ug/L         0.50 U         0.50 U         0.50 U           Chloromethane         ug/L         0.50 U         0.50 U         0.50 U           Cyclohexane         ug/L         0.50 U         0.50 U         0.50 U           Dibromochloromethane         ug/L         0.50 U         0.50 U         0.50 U           1,2-Dibromoethane         ug/L         0.50 U         0.50 U         0.50 U           1,2-Dichlorobenzene         ug/L         0.50 U         0.50 U         0.50 U           1,2-Dichlorobenzene         ug/L         0.50 U         0.50 U         0.50 U	Bromochloromethane	ug/L	0.50 U	0.50 U	0.50 U
Bromomethane	Bromodichloromethane	ug/L	0.50 U	0.50 U	0.50 U
2-Butanone	Bromoform	ug/L	0.50 U	0.50 U	0.50 U
Carbon Disulfide         ug/L         0.50 U         0.50 U         0.50 U           Carbon Tetrachloride         ug/L         0.50 U         0.50 U         0.50 U         0.50 U           Chlorobernee         ug/L         0.50 U         0.50 U         0.50 U         0.50 U           Chloroethane         ug/L         0.50 U         0.50 U         0.50 U         0.50 U           Chloromethane         ug/L         0.50 U         0.50 U         0.50 U         0.50 U           Cyclohexane         ug/L         0.50 U         0.50 U         0.50 U         0.50 U           1,2-Dibromo-3-Chloropropane         ug/L         0.50 U         0.50 U         0.50 U           1,2-Dibromoethane         ug/L         0.50 U         0.50 U         0.50 U           1,2-Dibromoethane         ug/L         0.50 U         0.50 U         0.50 U           1,2-Dichlorobenzene         ug/L         0.50 U         0.50 U         0.50 U           1,3-Dichlorobenzene         ug/L         0.50 U         0.50 U         0.50 U           1,4-Dichlorobenzene         ug/L         0.50 U         0.50 U         0.50 U           1,3-Dichlorobenzene         ug/L         0.50 U         0.50 U         0.50 U	Bromomethane	ug/L	0.50 U	0.50 U	0.50 U
Carbon Tetrachloride         ug/L         0.50 U	2-Butanone	ug/L	5.0 U	5.0 U	5.0 U
Chlorobenzene         ug/L         0.50 U         0	Carbon Disulfide	ug/L	0.50 U	0.50 U	0.50 U
Chloroethane         ug/L         0.50 U         0.50 U         0.50 U           Chloroform         ug/L         0.50 U         0.50 U         0.50 U           Chloromethane         ug/L         0.50 U         0.50 U         0.50 U           Cyclohexane         ug/L         0.50 U         0.50 U         0.50 U           1,2-Dibromo-3-Chloropropane         ug/L         0.50 U         0.50 U         0.50 U           1,2-Dibromothane         ug/L         0.50 U         0.50 U         0.50 U         0.50 U           1,2-Dibromothane         ug/L         0.50 U         0.50 U         0.50 U         0.50 U           1,2-Dibriorobenzene         ug/L         0.50 U         0.50 U         0.50 U         0.50 U           1,3-Dichlorobenzene         ug/L         0.50 U         0.50 U         0.50 U         0.50 U           1,4-Dichlorobenzene         ug/L         0.50 U         0.50 U         0.50 U         0.50 U           1,1-Dichlorobenzene         ug/L         0.50 U         0.50 U         0.50 U         0.50 U           1,1-Dichlorofffuoromethane         ug/L         0.50 U         0.50 U         0.50 U         0.50 U           1,1-Dichloropthane         ug/L         0.50 U	Carbon Tetrachloride	ug/L	0.50 U	0.50 U	0.50 U
Chloroform         ug/L         0.50 U         0.50	Chlorobenzene	ug/L	0.50 U	0.50 U	0.50 U
Chloromethane         ug/L         0.50 U         0	Chloroethane	ug/L	0.50 U	0.50 U	0.50 U
Cyclohexane         ug/L         0.50 U         0.50 U         0.50 U           1,2-Dibromo-3-Chloropropane         ug/L         0.50 U         0.50 U         0.50 U           Dibromochloromethane         ug/L         0.50 U         0.50 U         0.50 U           1,2-Dibromoethane         ug/L         0.50 U         0.50 U         0.50 U           1,2-Dichlorobenzene         ug/L         0.50 U         0.50 U         0.50 U           1,3-Dichlorobenzene         ug/L         0.50 U         0.50 U         0.50 U           1,4-Dichlorobenzene         ug/L         0.50 U         0.50 U         0.50 U           1,4-Dichloroethane         ug/L         0.50 U         0.50 U         0.50 U           1,1-Dichloroethane         ug/L         0.50 U         0.50 U         0.50 U           1,1-Dichloroethane         ug/L         0.50 U         0.50 U         0.50 U           1,1-Dichloroethene         ug/L         0.50 U         0.50 U         0.50 U           1,2-Dichloroptethene         ug/L         0.50 U         0.50 U         0.50 U           1,2-Dichloropropene         ug/L         0.50 U         0.50 U         0.50 U           1,2-Dichloropropene         ug/L         0.50 U	Chloroform	ug/L	0.50 U	0.50 U	0.50 U
1,2-Dibromo-3-Chloropropane       ug/L       0.50 U       0.50 U       0.50 U         Dibromochloromethane       ug/L       0.50 U       0.50 U       0.50 U         1,2-Dibromochane       ug/L       0.50 U       0.50 U       0.50 U         1,2-Dichlorobenzene       ug/L       0.50 U       0.50 U       0.50 U         1,3-Dichlorobenzene       ug/L       0.50 U       0.50 U       0.50 U         1,4-Dichlorobenzene       ug/L       0.50 U       0.50 U       0.50 U         Dichlorodifluoromethane       ug/L       0.50 U       0.50 U       0.50 U         1,1-Dichloroethane       ug/L       0.50 U       0.50 U       0.50 U         1,2-Dichloroethene       ug/L       0.50 U       0.50 U       0.50 U         cis-1,2-Dichloroethene       ug/L       0.50 U       0.50 U       0.50 U         trans-1,2-Dichloroptopene       ug/L       0.50 U       0.50 U       0.50 U         trans-1,3-Dichloropropene       ug/L       0.50 U       0.50 U       0.50 U         ttrans-1,3-Dichloropropene       ug/L       0.50 U       0.50 U       0.50 U         Ethyl Benzene       ug/L       0.50 U       0.50 U       0.50 U         2-Hexanone       ug/L<	Chloromethane	ug/L	0.50 U	0.50 U	0.50 U
Dibromochloromethane         ug/L         0.50 U         0.50 U         0.50 U           1,2-Dibromoethane         ug/L         0.50 U         0.50 U         0.50 U           1,2-Dichlorobenzene         ug/L         0.50 U         0.50 U         0.50 U           1,3-Dichlorobenzene         ug/L         0.50 U         0.50 U         0.50 U           1,4-Dichlorobenzene         ug/L         0.50 U         0.50 U         0.50 U           Dichlorodifluoromethane         ug/L         0.50 U         0.50 U         0.50 U           1,1-Dichloroethane         ug/L         0.50 U         0.50 U         0.50 U           1,2-Dichloroethane         ug/L         0.50 U         0.50 U         0.50 U           1,1-Dichloroethane         ug/L         0.50 U         0.50 U         0.50 U           1,2-Dichloroethene         ug/L         0.50 U         0.50 U         0.50 U           1,1-Dichloroethene         ug/L         0.50 U         0.50 U         0.50 U           1,2-Dichloroethene         ug/L         0.50 U         0.50 U         0.50 U           1,2-Dichloroethene         ug/L         0.50 U         0.50 U         0.50 U           1,2-Dichloroethene         ug/L         0.50 U	Cyclohexane	ug/L	0.50 U	0.50 U	0.50 U
1,2-Dibromoethane       ug/L       0.50 U       0.50 U       0.50 U         1,2-Dichlorobenzene       ug/L       0.50 U       0.50 U       0.50 U         1,3-Dichlorobenzene       ug/L       0.50 U       0.50 U       0.50 U         1,4-Dichlorobenzene       ug/L       0.50 U       0.50 U       0.50 U         Dichlorodifluoromethane       ug/L       0.50 U       0.50 U       0.50 U         1,1-Dichloroethane       ug/L       0.50 U       0.50 U       0.50 U         1,2-Dichloroethane       ug/L       0.50 U       0.50 U       0.50 U         1,1-Dichloroethene       ug/L       0.50 U       0.50 U       0.50 U         cis-1,2-Dichloroethene       ug/L       0.50 U       0.50 U       0.50 U         trans-1,2-Dichloroethene       ug/L       0.50 U       0.50 U       0.50 U         1,2-Dichloropropane       ug/L       0.50 U       0.50 U       0.50 U         cis-1,3-Dichloropropene       ug/L       0.50 U       0.50 U       0.50 U         trans-1,2-Dichloropropene       ug/L       0.50 U       0.50 U       0.50 U         trans-1,3-Dichloropropene       ug/L       0.50 U       0.50 U       0.50 U         trans-1,3-Dichloropropene	1,2-Dibromo-3-Chloropropane	ug/L	0.50 U	0.50 U	0.50 U
1,2-Dichlorobenzene       ug/L       0.50 U       0.50 U       0.50 U         1,3-Dichlorobenzene       ug/L       0.50 U       0.50 U       0.50 U         1,4-Dichlorobenzene       ug/L       0.50 U       0.50 U       0.50 U         Dichlorodifluoromethane       ug/L       0.50 U       0.50 U       0.50 U         1,1-Dichloroethane       ug/L       0.50 U       0.50 U       0.50 U         1,2-Dichloroethane       ug/L       0.50 U       0.50 U       0.50 U         1,1-Dichloroethane       ug/L       0.50 U       0.50 U       0.50 U         1,1-Dichloroethane       ug/L       0.50 U       0.50 U       0.50 U         cis-1,2-Dichloroethane       ug/L       0.50 U       0.50 U       0.50 U         trans-1,2-Dichloropropane       ug/L       0.50 U       0.50 U       0.50 U         cis-1,3-Dichloropropene       ug/L       0.50 U       0.50 U       0.50 U         trans-1,3-Dichloropropene       ug/L       0.50 U       0.50 U       0.50 U         Ethyl Benzene       ug/L       0.50 U       0.50 U       0.50 U         2-Hexanone       ug/L       0.50 U       0.50 U       0.50 U         Isopropylbenzene       ug/L <td< td=""><td>Dibromochloromethane</td><td>ug/L</td><td>0.50 U</td><td>0.50 U</td><td>0.50 U</td></td<>	Dibromochloromethane	ug/L	0.50 U	0.50 U	0.50 U
1,3-Dichlorobenzene       ug/L       0.50 U       0.50 U       0.50 U         1,4-Dichlorobenzene       ug/L       0.50 U       0.50 U       0.50 U         Dichlorodifluoromethane       ug/L       0.50 U       0.50 U       0.50 U         1,1-Dichloroethane       ug/L       0.50 U       0.50 U       0.50 U         1,2-Dichloroethane       ug/L       0.50 U       0.50 U       0.50 U         1,1-Dichloroethene       ug/L       0.50 U       0.50 U       0.50 U         cis-1,2-Dichloroethene       ug/L       0.50 U       0.50 U       0.50 U         trans-1,2-Dichloropropane       ug/L       0.50 U       0.50 U       0.50 U         cis-1,3-Dichloropropane       ug/L       0.50 U       0.50 U       0.50 U         cis-1,3-Dichloropropene       ug/L       0.50 U       0.50 U       0.50 U         trans-1,3-Dichloropropene       ug/L       0.50 U       0.50 U       0.50 U         tethyl Benzene       ug/L       0.50 U       0.50 U       0.50 U         2-Hexanone       ug/L       0.50 U       0.50 U       0.50 U         Isopropylbenzene       ug/L       0.50 U       0.50 U       0.50 U         Methyl cert-butyl ether       ug/L	1,2-Dibromoethane	ug/L	0.50 U	0.50 U	0.50 U
1,4-Dichlorobenzene       ug/L       0.50 U       0.50 U       0.50 U         Dichlorodifluoromethane       ug/L       0.50 U       0.50 U       0.50 U         1,1-Dichloroethane       ug/L       0.50 U       0.50 U       0.50 U         1,2-Dichloroethane       ug/L       0.50 U       0.50 U       0.50 U         1,1-Dichloroethene       ug/L       0.50 U       0.50 U       0.50 U         cis-1,2-Dichloroethene       ug/L       0.50 U       0.50 U       0.50 U         trans-1,2-Dichloroethene       ug/L       0.50 U       0.50 U       0.50 U         1,2-Dichloropropane       ug/L       0.50 U       0.50 U       0.50 U         1,2-Dichloropropane       ug/L       0.50 U       0.50 U       0.50 U         cis-1,3-Dichloropropene       ug/L       0.50 U       0.50 U       0.50 U         trans-1,3-Dichloropropene       ug/L       0.50 U       0.50 U       0.50 U         Ethyl Benzene       ug/L       0.50 U       0.50 U       0.50 U         2-Hexanone       ug/L       0.50 U       0.50 U       0.50 U         1sopropylbenzene       ug/L       0.50 U       0.50 U       0.50 U         Methyl tert-butyl ether       ug/L	1,2-Dichlorobenzene	ug/L	0.50 U	0.50 U	0.50 U
Dichlorodifluoromethane         ug/L         0.50 U         0.50 U         0.50 U           1,1-Dichloroethane         ug/L         0.50 U         0.50 U         0.50 U           1,2-Dichloroethane         ug/L         0.50 U         0.50 U         0.50 U           1,1-Dichloroethene         ug/L         0.50 U         0.50 U         0.50 U           cis-1,2-Dichloroethene         ug/L         0.50 U         0.50 U         0.50 U           trans-1,2-Dichloropropane         ug/L         0.50 U         0.50 U         0.50 U           cis-1,3-Dichloropropane         ug/L         0.50 U         0.50 U         0.50 U           cis-1,3-Dichloropropene         ug/L         0.50 U         0.50 U         0.50 U           trans-1,3-Dichloropropene         ug/L         0.50 U         0.50 U         0.50 U           Ethyl Benzene         ug/L         0.50 U         0.50 U         0.50 U           2-Hexanone         ug/L         0.50 U         0.50 U         0.50 U           2-Hexanone         ug/L         0.50 U         0.50 U         0.50 U           Methyl Acetate         ug/L         0.50 U         0.50 U         0.50 U           Methyl tert-butyl ether         ug/L         0.50 U	1,3-Dichlorobenzene	ug/L	0.50 U	0.50 U	0.50 U
1,1-Dichloroethane       ug/L       0.50 U       0.50 U       0.50 U         1,2-Dichloroethane       ug/L       0.50 U       0.50 U       0.50 U         1,1-Dichloroethene       ug/L       0.50 U       0.50 U       0.50 U         cis-1,2-Dichloroethene       ug/L       0.50 U       0.50 U       0.50 U         trans-1,2-Dichloropthene       ug/L       0.50 U       0.50 U       0.50 U         1,2-Dichloropropane       ug/L       0.50 U       0.50 U       0.50 U         cis-1,3-Dichloropropene       ug/L       0.50 U       0.50 U       0.50 U         trans-1,3-Dichloropropene       ug/L       0.50 U       0.50 U       0.50 U         trans-1,3-Dichloropropene       ug/L       0.50 U       0.50 U       0.50 U         ttyl Benzene       ug/L       0.50 U       0.50 U       0.50 U         2-Hexanone       ug/L       0.50 U       0.50 U       0.50 U         Isopropylbenzene       ug/L       0.50 U       0.50 U       0.50 U         Methyl Acetate       ug/L       0.50 U       0.50 U       0.50 U         Methyl tert-butyl ether       ug/L       0.50 U       0.50 U       0.50 U         Methylene Chloride       ug/L	1,4-Dichlorobenzene	ug/L	0.50 U	0.50 U	0.50 U
1,2-Dichloroethane       ug/L       0.50 U       0.50 U       0.50 U         1,1-Dichloroethene       ug/L       0.50 U       0.50 U       0.50 U         cis-1,2-Dichloroethene       ug/L       0.50 U       0.50 U       0.50 U         trans-1,2-Dichloroethene       ug/L       0.50 U       0.50 U       0.50 U         1,2-Dichloropropane       ug/L       0.50 U       0.50 U       0.50 U         cis-1,3-Dichloropropene       ug/L       0.50 U       0.50 U       0.50 U         trans-1,3-Dichloropropene       ug/L       0.50 U       0.50 U       0.50 U         Ethyl Benzene       ug/L       0.50 U       0.50 U       0.50 U         2-Hexanone       ug/L       0.50 U       0.50 U       0.50 U         2-Hexanone       ug/L       0.50 U       0.50 U       0.50 U         Isopropylbenzene       ug/L       0.50 U       0.50 U       0.50 U         Methyl Acetate       ug/L       0.50 U       0.50 U       0.50 U         Methyl tetr-butyl ether       ug/L       0.50 U       0.50 U       0.50 U         Methylcyclohexane       ug/L       0.50 U       0.50 U       0.50 U         Methyl-2-Pentanone       ug/L       0.50 U	Dichlorodifluoromethane	ug/L	0.50 U	0.50 U	0.50 U
1,1-Dichloroethene       ug/L       0.50 U       0.50 U       0.50 U         cis-1,2-Dichloroethene       ug/L       0.50 U       0.50 U       0.50 U         trans-1,2-Dichloroethene       ug/L       0.50 U       0.50 U       0.50 U         1,2-Dichloropropane       ug/L       0.50 U       0.50 U       0.50 U         cis-1,3-Dichloropropene       ug/L       0.50 U       0.50 U       0.50 U         Ethyl Benzene       ug/L       0.50 U       0.50 U       0.50 U         2-Hexanone       ug/L       0.50 U       0.50 U       0.50 U         2-Hexanone       ug/L       0.50 U       0.50 U       0.50 U         Methyl Acetate       ug/L       0.50 U       0.50 U       0.50 U         Methyl tert-butyl ether       ug/L       0.50 U       0.50 U       0.50 U         Methylcyclohexane       ug/L       0.50 U       0.50 U       0.50 U         Methylene Chloride       ug/L       0.50 U       0.50 U       0.50 U         4-Methyl-2-Pentanone       ug/L       0.50 U       0.50 U       0.50 U         Styrene       ug/L       0.50 U       0.50 U       0.50 U         1,1,2,2-Tetrachloroethane       ug/L       0.50 U	1,1-Dichloroethane	ug/L	0.50 U	0.50 U	0.50 U
cis-1,2-Dichloroethene         ug/L         0.50 U         0.50 U         0.50 U           trans-1,2-Dichloroethene         ug/L         0.50 U         0.50 U         0.50 U           1,2-Dichloropropane         ug/L         0.50 U         0.50 U         0.50 U           cis-1,3-Dichloropropene         ug/L         0.50 U         0.50 U         0.50 U           trans-1,3-Dichloropropene         ug/L         0.50 U         0.50 U         0.50 U           Ethyl Benzene         ug/L         0.50 U         0.50 U         0.50 U           2-Hexanone         ug/L         5.0 U         5.0 U         5.0 U           1 sopropylbenzene         ug/L         0.50 U         0.50 U         0.50 U           Methyl Acetate         ug/L         0.50 U         0.50 U         0.50 U           Methyl tert-butyl ether         ug/L         0.50 U         0.50 U         0.50 U           Methylcyclohexane         ug/L         0.50 U         0.50 U         0.50 U           Methyl-2-Pentanone         ug/L         0.50 U         0.50 U         0.50 U           Styrene         ug/L         0.50 U         0.50 U         0.50 U           Tetrachloroethane         ug/L         0.50 U         0.50 U <td>1,2-Dichloroethane</td> <td>ug/L</td> <td>0.50 U</td> <td>0.50 U</td> <td>0.50 U</td>	1,2-Dichloroethane	ug/L	0.50 U	0.50 U	0.50 U
trans-1,2-Dichloroethene         ug/L         0.50 U         0.50 U         0.50 U           1,2-Dichloropropane         ug/L         0.50 U         0.50 U         0.50 U           cis-1,3-Dichloropropene         ug/L         0.50 U         0.50 U         0.50 U           trans-1,3-Dichloropropene         ug/L         0.50 U         0.50 U         0.50 U           Ethyl Benzene         ug/L         0.50 U         0.50 U         0.50 U           2-Hexanone         ug/L         5.0 U         5.0 U         5.0 U           1 sopropylbenzene         ug/L         0.50 U         0.50 U         0.50 U           Methyl Acetate         ug/L         0.50 U         0.50 U         0.50 U           Methyl tert-butyl ether         ug/L         0.50 U         0.50 U         0.50 U           Methylcyclohexane         ug/L         0.50 U         0.50 U         0.50 U           Methylcyclohexane         ug/L         0.50 U         0.50 U         0.50 U           Methyl-2-Pentanone         ug/L         0.50 U         0.50 U         0.50 U           Styrene         ug/L         0.50 U         0.50 U         0.50 U           1,1,2,2-Tetrachloroethane         ug/L         0.50 U         0.50 U<	1,1-Dichloroethene	ug/L	0.50 U	0.50 U	0.50 U
1,2-Dichloropropane       ug/L       0.50 U       0.50 U       0.50 U         cis-1,3-Dichloropropene       ug/L       0.50 U       0.50 U       0.50 U         trans-1,3-Dichloropropene       ug/L       0.50 U       0.50 U       0.50 U         Ethyl Benzene       ug/L       0.50 U       0.50 U       0.50 U         2-Hexanone       ug/L       0.50 U       0.50 U       0.50 U         Isopropylbenzene       ug/L       0.50 U       0.50 U       0.50 U         Methyl Acetate       ug/L       0.50 U       0.50 U       0.50 U         Methyl tert-butyl ether       ug/L       0.50 U       0.50 U       0.50 U         Methylcyclohexane       ug/L       0.50 U       0.50 U       0.50 U         Methylene Chloride       ug/L       0.50 U       0.50 U       0.50 U         4-Methyl-2-Pentanone       ug/L       5.0 U       5.0 U       5.0 U         Styrene       ug/L       0.50 U       0.50 U       0.50 U         1,1,2,2-Tetrachloroethane       ug/L       0.50 U       0.50 U       0.50 U         Toluene       ug/L       0.50 U       0.50 U       0.50 U         1,2,3-Trichlorobenzene       ug/L       0.50 U       0.50 U<	cis-1,2-Dichloroethene	ug/L	0.50 U	0.50 U	0.50 U
cis-1,3-Dichloropropene         ug/L         0.50 U         0.50 U         0.50 U           trans-1,3-Dichloropropene         ug/L         0.50 U         0.50 U         0.50 U           Ethyl Benzene         ug/L         0.50 U         0.50 U         0.50 U           2-Hexanone         ug/L         5.0 U         5.0 U         5.0 U           Isopropylbenzene         ug/L         0.50 U         0.50 U         0.50 U           Methyl Acetate         ug/L         0.50 U         0.50 U         0.50 U           Methyl tert-butyl ether         ug/L         0.50 U         0.50 U         0.50 U           Methylcyclohexane         ug/L         0.50 U         0.50 U         0.50 U           Methylene Chloride         ug/L         0.50 U         0.50 U         0.50 U           4-Methyl-2-Pentanone         ug/L         5.0 U         5.0 U         5.0 U           Styrene         ug/L         0.50 U         0.50 U         0.50 U           1,1,2,2-Tetrachloroethane         ug/L         0.50 U         0.50 U         0.50 U           Toluene         ug/L         0.50 U         0.50 U         0.50 U           1,2,3-Trichlorobenzene         ug/L         0.50 U         0.50 U <t< td=""><td>trans-1,2-Dichloroethene</td><td>ug/L</td><td>0.50 U</td><td>0.50 U</td><td>0.50 U</td></t<>	trans-1,2-Dichloroethene	ug/L	0.50 U	0.50 U	0.50 U
trans-1,3-Dichloropropene         ug/L         0.50 U         0.50 U         0.50 U           Ethyl Benzene         ug/L         0.50 U         0.50 U         0.50 U           2-Hexanone         ug/L         5.0 U         5.0 U         5.0 U           Isopropylbenzene         ug/L         0.50 U         0.50 U         0.50 U           Methyl Acetate         ug/L         0.50 U         0.50 U         0.50 U           Methyl tert-butyl ether         ug/L         0.50 U         0.50 U         0.50 U           Methylcyclohexane         ug/L         0.50 U         0.50 U         0.50 U           Methylene Chloride         ug/L         0.50 U         0.50 U         0.50 U           4-Methyl-2-Pentanone         ug/L         5.0 U         5.0 U         5.0 U           Styrene         ug/L         0.50 U         0.50 U         0.50 U           1,1,2,2-Tetrachloroethane         ug/L         0.50 U         0.50 U         0.50 U           Toluene         ug/L         0.50 U         0.50 U         0.50 U         0.50 U           1,2,3-Trichlorobenzene         ug/L         0.50 U         0.50 U         0.50 U         0.50 U           1,2,4-Trichloroethane         ug/L	1,2-Dichloropropane	ug/L	0.50 U	0.50 U	0.50 U
Ethyl Benzene         ug/L         0.50 U         0.50 U         0.50 U           2-Hexanone         ug/L         5.0 U         5.0 U         5.0 U           Isopropylbenzene         ug/L         0.50 U         0.50 U         0.50 U           Methyl Acetate         ug/L         0.50 U         0.50 U         0.50 U           Methyl tert-butyl ether         ug/L         0.50 U         0.50 U         0.50 U           Methylcyclohexane         ug/L         0.50 U         0.50 U         0.50 U           Methylene Chloride         ug/L         0.50 U         0.50 U         0.50 U           4-Methyl-2-Pentanone         ug/L         5.0 U         5.0 U         5.0 U           5tyrene         ug/L         0.50 U         0.50 U         0.50 U           1,1,2,2-Tetrachloroethane         ug/L         0.50 U         0.50 U         0.50 U           Toluene         ug/L         0.50 U         0.50 U         0.50 U           Toluene         ug/L         0.50 U         0.50 U         0.50 U           1,2,3-Trichlorobenzene         ug/L         0.50 U         0.50 U         0.50 U           1,2,4-Trichlorobenzene         ug/L         0.50 U         0.50 U         0.50 U     <	cis-1,3-Dichloropropene	ug/L	0.50 U	0.50 U	0.50 U
2-Hexanone       ug/L       5.0 U       5.0 U       5.0 U         Isopropylbenzene       ug/L       0.50 U       0.50 U       0.50 U         Methyl Acetate       ug/L       0.50 U       0.50 U       0.50 U         Methyl tert-butyl ether       ug/L       0.50 U       0.50 U       0.50 U         Methylcyclohexane       ug/L       0.50 U       0.50 U       0.50 U         Methylene Chloride       ug/L       0.50 U       0.50 U       0.50 U         4-Methyl-2-Pentanone       ug/L       5.0 U       5.0 U       5.0 U         5tyrene       ug/L       0.50 U       0.50 U       0.50 U         1,1,2,2-Tetrachloroethane       ug/L       0.50 U       0.50 U       0.50 U         Toluene       ug/L       0.50 U       0.50 U       0.50 U       0.50 U         1,2,3-Trichlorobenzene       ug/L       0.50 U       0.50 U       0.50 U       0.50 U         1,2,4-Trichlorobenzene       ug/L       0.50 U       0.50 U       0.50 U       0.50 U         1,1,1-Trichloroethane       ug/L       0.50 U       0.50 U       0.50 U       0.50 U	trans-1,3-Dichloropropene	ug/L	0.50 U	0.50 U	0.50 U
Isopropylbenzene         ug/L         0.50 U         0.50 U         0.50 U           Methyl Acetate         ug/L         0.50 U         0.50 U         0.50 U           Methyl tert-butyl ether         ug/L         0.50 U         0.50 U         0.50 U           Methylcyclohexane         ug/L         0.50 U         0.50 U         0.50 U           Methylene Chloride         ug/L         0.50 U         0.50 U         0.50 U           4-Methyl-2-Pentanone         ug/L         5.0 U         5.0 U         5.0 U           5tyrene         ug/L         0.50 U         0.50 U         0.50 U           1,1,2,2-Tetrachloroethane         ug/L         0.50 U         0.50 U         0.50 U           Tetrachloroethene         ug/L         0.50 U         0.50 U         0.50 U           Toluene         ug/L         0.50 U         0.50 U         0.50 U           1,2,3-Trichlorobenzene         ug/L         0.50 U         0.50 U         0.50 U           1,2,4-Trichloroethane         ug/L         0.50 U         0.50 U         0.50 U           1,1,1-Trichloroethane         ug/L         0.50 U         0.50 U         0.50 U	Ethyl Benzene	ug/L	0.50 U	0.50 U	0.50 U
Methyl Acetate       ug/L       0.50 U       0.50 U       0.50 U         Methyl tert-butyl ether       ug/L       0.50 U       0.50 U       0.50 U         Methylcyclohexane       ug/L       0.50 U       0.50 U       0.50 U         Methylene Chloride       ug/L       0.50 U       0.50 U       0.50 U         4-Methyl-2-Pentanone       ug/L       5.0 U       5.0 U       5.0 U         5tyrene       ug/L       0.50 U       0.50 U       0.50 U         1,1,2,2-Tetrachloroethane       ug/L       0.50 U       0.50 U       0.50 U         Tetrachloroethene       ug/L       0.50 U       0.50 U       0.50 U         Toluene       ug/L       0.50 U       0.50 U       0.50 U         1,2,3-Trichlorobenzene       ug/L       0.50 U       0.50 U       0.50 U         1,2,4-Trichlorobenzene       ug/L       0.50 U       0.50 U       0.50 U         1,1,1-Trichloroethane       ug/L       0.50 U       0.50 U       0.50 U	2-Hexanone	ug/L	5.0 U	5.0 U	5.0 U
Methyl tert-butyl ether       ug/L       0.50 U       0.50 U       0.50 U         Methylcyclohexane       ug/L       0.50 U       0.50 U       0.50 U         Methylene Chloride       ug/L       0.50 U       0.50 U       0.50 U         4-Methyl-2-Pentanone       ug/L       5.0 U       5.0 U       5.0 U         5tyrene       ug/L       0.50 U       0.50 U       0.50 U         1,1,2,2-Tetrachloroethane       ug/L       0.50 U       0.50 U       0.50 U         Tetrachloroethene       ug/L       0.50 U       0.50 U       0.50 U         Toluene       ug/L       0.50 U       0.50 U       0.50 U         1,2,3-Trichlorobenzene       ug/L       0.50 U       0.50 U       0.50 U         1,2,4-Trichloroethane       ug/L       0.50 U       0.50 U       0.50 U	Isopropylbenzene	ug/L	0.50 U	0.50 U	0.50 U
Methylcyclohexane       ug/L       0.50 U       0.50 U       0.50 U         Methylene Chloride       ug/L       0.50 U       0.50 U       0.50 U         4-Methyl-2-Pentanone       ug/L       5.0 U       5.0 U       5.0 U         Styrene       ug/L       0.50 U       0.50 U       0.50 U         1,1,2,2-Tetrachloroethane       ug/L       0.50 U       0.50 U       0.50 U         Tetrachloroethene       ug/L       0.50 U       0.50 U       0.50 U         Toluene       ug/L       0.50 U       0.50 U       0.50 U         1,2,3-Trichlorobenzene       ug/L       0.50 U       0.50 U       0.50 U         1,2,4-Trichlorobenzene       ug/L       0.50 U       0.50 U       0.50 U         1,1,1-Trichloroethane       ug/L       0.50 U       0.50 U       0.50 U	Methyl Acetate	ug/L	0.50 U	0.50 U	0.50 U
Methylene Chloride       ug/L       0.50 U       0.50 U       0.50 U         4-Methyl-2-Pentanone       ug/L       5.0 U       5.0 U       5.0 U         Styrene       ug/L       0.50 U       0.50 U       0.50 U         1,1,2,2-Tetrachloroethane       ug/L       0.50 U       0.50 U       0.50 U         Tetrachloroethene       ug/L       0.50 U       0.50 U       0.50 U         Toluene       ug/L       0.50 U       0.50 U       0.50 U         1,2,3-Trichlorobenzene       ug/L       0.50 U       0.50 U       0.50 U         1,2,4-Trichlorobenzene       ug/L       0.50 U       0.50 U       0.50 U         1,1,1-Trichloroethane       ug/L       0.50 U       0.50 U       0.50 U	Methyl tert-butyl ether	ug/L	0.50 U	0.50 U	0.50 U
4-Methyl-2-Pentanone       ug/L       5.0 U       5.0 U       5.0 U         Styrene       ug/L       0.50 U       0.50 U       0.50 U         1,1,2,2-Tetrachloroethane       ug/L       0.50 U       0.50 U       0.50 U         Tetrachloroethene       ug/L       0.50 U       0.50 U       0.50 U         Toluene       ug/L       0.50 U       0.50 U       0.50 U         1,2,3-Trichlorobenzene       ug/L       0.50 U       0.50 U       0.50 U         1,2,4-Trichlorobenzene       ug/L       0.50 U       0.50 U       0.50 U         1,1,1-Trichloroethane       ug/L       0.50 U       0.50 U       0.50 U	Methylcyclohexane	ug/L	0.50 U	0.50 U	0.50 U
Styrene       ug/L       0.50 U       0.50 U       0.50 U         1,1,2,2-Tetrachloroethane       ug/L       0.50 U       0.50 U       0.50 U         Tetrachloroethene       ug/L       0.50 U       0.50 U       0.50 U         Toluene       ug/L       0.50 U       0.50 U       0.50 U         1,2,3-Trichlorobenzene       ug/L       0.50 U       0.50 U       0.50 U         1,2,4-Trichlorobenzene       ug/L       0.50 U       0.50 U       0.50 U         1,1,1-Trichloroethane       ug/L       0.50 U       0.50 U       0.50 U	Methylene Chloride	ug/L	0.50 U	0.50 U	0.50 U
1,1,2,2-Tetrachloroethane       ug/L       0.50 U       0.50 U       0.50 U         Tetrachloroethene       ug/L       0.50 U       0.50 U       0.50 U         Toluene       ug/L       0.50 U       0.50 U       0.50 U         1,2,3-Trichlorobenzene       ug/L       0.50 U       0.50 U       0.50 U         1,2,4-Trichlorobenzene       ug/L       0.50 U       0.50 U       0.50 U         1,1,1-Trichloroethane       ug/L       0.50 U       0.50 U       0.50 U	4-Methyl-2-Pentanone	ug/L	5.0 U	5.0 U	5.0 U
Tetrachloroethene       ug/L       0.50 U       0.50 U       0.50 U         Toluene       ug/L       0.50 U       0.50 U       0.50 U         1,2,3-Trichlorobenzene       ug/L       0.50 U       0.50 U       0.50 U         1,2,4-Trichlorobenzene       ug/L       0.50 U       0.50 U       0.50 U         1,1,1-Trichloroethane       ug/L       0.50 U       0.50 U       0.50 U	Styrene	ug/L	0.50 U	0.50 U	0.50 U
Toluene       ug/L       0.50 U       0.50 U       0.50 U         1,2,3-Trichlorobenzene       ug/L       0.50 U       0.50 U       0.50 U         1,2,4-Trichlorobenzene       ug/L       0.50 U       0.50 U       0.50 U         1,1,1-Trichloroethane       ug/L       0.50 U       0.50 U       0.50 U	1,1,2,2-Tetrachloroethane	ug/L	0.50 U	0.50 U	0.50 U
1,2,3-Trichlorobenzene       ug/L       0.50 U       0.50 U       0.50 U         1,2,4-Trichlorobenzene       ug/L       0.50 U       0.50 U       0.50 U         1,1,1-Trichloroethane       ug/L       0.50 U       0.50 U       0.50 U	Tetrachloroethene	ug/L	0.50 U	0.50 U	0.50 U
1,2,4-Trichlorobenzene       ug/L       0.50 U       0.50 U       0.50 U         1,1,1-Trichloroethane       ug/L       0.50 U       0.50 U       0.50 U	Toluene	ug/L	0.50 U	0.50 U	0.50 U
1,1,1-Trichloroethane ug/L 0.50 U 0.50 U 0.50 U	1,2,3-Trichlorobenzene	ug/L	0.50 U	0.50 U	0.50 U
	1,2,4-Trichlorobenzene	ug/L	0.50 U	0.50 U	0.50 U
1,1,2-Trichloroethane ug/L 0.50 U 0.50 U 0.50 U	1,1,1-Trichloroethane	ug/L	0.50 U	0.50 U	0.50 U
	1,1,2-Trichloroethane	ug/L	0.50 U	0.50 U	0.50 U

Analysis/ Analyte	Units	117-FB	118-FB	119-FB
Trichloroethene	ug/L	0.50 U	0.50 U	0.50 U
Trichlorofluoromethane	ug/L	0.50 U	0.50 U	0.50 U
1,1,2-Trichlorotrifluoroethane	ug/L	0.50 U	0.50 U	0.50 U
Vinyl Chloride	ug/L	0.50 U	0.50 U	0.50 U
m and/or p-Xylene	ug/L	0.50 U	0.50 U	0.50 U
o-Xylene	ug/L	0.50 U	0.50 U	0.50 U